

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102921\
 Data File : VW020729.D
 Acq On : 29 Oct 2021 16:33
 Operator : SY/VA
 Sample : M4068-01 2.5PPBLOD
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021

Manual Integrations
 APPROVED

MMDadoda
 11/1/2021 6:28:12 PM

Quant Time: Nov 01 00:42:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W102821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 01 00:41:46 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.945	168	101175	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	160442	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	143334	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	76618	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	49584	49.858	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.720%		
35) Dibromofluoromethane	7.884	113	43195	45.894	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.780%		
50) Toluene-d8	10.323	98	159144	45.057	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.120%		
62) 4-Bromofluorobenzene	12.615	95	59323	44.519	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	89.040%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.007	85	539	2.169	ug/l	80
3) Chloromethane	2.215	50	2073	3.427	ug/l	92
4) Vinyl Chloride	2.355	62	2057	2.905	ug/l	90
5) Bromomethane	2.763	94	1343	4.689	ug/l	83
6) Chloroethane	2.916	64	699	3.909	ug/l	96
7) Trichlorofluoromethane	3.245	101	937	2.813	ug/l	91
8) Diethyl Ether	3.678	74	1198	2.902	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.062	101	2508	3.074	ug/l	98
10) Methyl Iodide	4.269	142	2721	2.961	ug/l	98
11) Tert butyl alcohol	5.165	59	676	12.772	ug/l #	72
12) 1,1-Dichloroethene	4.038	96	2086	2.623	ug/l	96
13) Acrolein	3.903	56	157	6.747	ug/l	92
14) Allyl chloride	4.659	41	3218	2.631	ug/l	98
15) Acrylonitrile	5.367	53	2657	13.747	ug/l	96
16) Acetone	4.123	43	4035	18.134	ug/l	94
17) Carbon Disulfide	4.385	76	6030	2.740	ug/l	97
18) Methyl Acetate	4.672	43	2224	3.127	ug/l #	89
19) Methyl tert-butyl Ether	5.421	73	2890	2.652	ug/l	98
20) Methylene Chloride	4.915	84	7408	7.014	ug/l	88
21) trans-1,2-Dichloroethene	5.421	96	2630	2.957	ug/l	88
22) Diisopropyl ether	6.305	45	6453	2.529	ug/l	92
23) Vinyl Acetate	6.251	43	16593	11.953	ug/l	98
24) 1,1-Dichloroethane	6.208	63	4878	2.983	ug/l #	93
25) 2-Butanone	7.171	43	3543	13.243	ug/l	96
26) 2,2-Dichloropropane	7.159	77	2842	3.124	ug/l	92
27) cis-1,2-Dichloroethene	7.165	96	2724	2.800	ug/l	95
28) Bromochloromethane	7.506	49	2207	2.905	ug/l #	98
29) Tetrahydrofuran	7.531	42	2028	12.528	ug/l	98
30) Chloroform	7.671	83	5224	3.060	ug/l	98
31) Cyclohexane	7.951	56	6331	3.799	ug/l #	67
32) 1,1,1-Trichloroethane	7.872	97	3902	2.985	ug/l	98
36) 1,1-Dichloropropene	8.079	75	3895	2.721	ug/l	97
37) Ethyl Acetate	7.256	43	1518	2.485	ug/l #	83
38) Carbon Tetrachloride	8.061	117	3683	2.794	ug/l	92
39) Methylcyclohexane	9.329	83	4417	2.554	ug/l	93
40) Benzene	8.317	78	13397	3.261	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.500	41	972m	2.705	ug/l	
42) 1,2-Dichloroethane	8.396	62	3529	2.795	ug/l	96
43) Isopropyl Acetate	8.421	43	2865	2.449	ug/l #	60
44) Trichloroethene	9.091	130	3091	2.864	ug/l	99
45) 1,2-Dichloropropane	9.366	63	2630	2.714	ug/l	93
46) Dibromomethane	9.457	93	1525	2.897	ug/l	95
47) Bromodichloromethane	9.646	83	3584	2.682	ug/l	96
48) Methyl methacrylate	9.439	41	1394	2.433	ug/l	88
49) 1,4-Dioxane	9.451	88	298	42.694	ug/l #	75
51) 4-Methyl-2-Pentanone	10.207	43	7044	11.509	ug/l	100
52) Toluene	10.384	92	7116	2.834	ug/l	98
53) t-1,3-Dichloropropene	10.603	75	3333	2.475	ug/l	96
54) cis-1,3-Dichloropropene	10.073	75	3623	2.339	ug/l	98
55) 1,1,2-Trichloroethane	10.786	97	2029	2.763	ug/l	93
56) Ethyl methacrylate	10.646	69	2042	2.226	ug/l	97
57) 1,3-Dichloropropane	10.933	76	3579	2.794	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.927	63	4064	9.343	ug/l	96
59) 2-Hexanone	10.969	43	5044	11.653	ug/l	97
60) Dibromochloromethane	11.128	129	2321	2.644	ug/l	95
61) 1,2-Dibromoethane	11.237	107	1930	2.746	ug/l	100
64) Tetrachloroethene	10.859	164	2694	2.951	ug/l	96
65) Chlorobenzene	11.658	112	7450	2.866	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.725	131	2736	2.888	ug/l	99
67) Ethyl Benzene	11.731	91	12586	2.673	ug/l	99
68) m/p-Xylenes	11.841	106	9162	5.023	ug/l	96
69) o-Xylene	12.164	106	4293	2.557	ug/l	97
70) Styrene	12.176	104	6906	2.400	ug/l	99
71) Bromoform	12.347	173	1407	2.717	ug/l #	98
73) Isopropylbenzene	12.463	105	11394	2.463	ug/l	100
74) N-amyl acetate	12.274	43	2458	2.320	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.713	83	2315	2.838	ug/l	96
76) 1,2,3-Trichloropropane	12.762	75	1938m	2.951	ug/l	
77) Bromobenzene	12.749	156	3379	3.018	ug/l	95
78) n-propylbenzene	12.804	91	14981	2.628	ug/l	100
79) 2-Chlorotoluene	12.890	91	8950	2.726	ug/l	99
80) 1,3,5-Trimethylbenzene	12.938	105	10067	2.501	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.512	75	620m	2.358	ug/l	
82) 4-Chlorotoluene	12.987	91	9454	2.713	ug/l	98
83) tert-Butylbenzene	13.207	119	8888	2.597	ug/l	97
84) 1,2,4-Trimethylbenzene	13.249	105	9455	2.359	ug/l	96
85) sec-Butylbenzene	13.377	105	13205	2.565	ug/l	97
86) p-Isopropyltoluene	13.493	119	10682	2.444	ug/l	99
87) 1,3-Dichlorobenzene	13.499	146	6597	2.875	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	7054	3.082	ug/l	89
89) n-Butylbenzene	13.822	91	10603	2.581	ug/l	97
90) Hexachloroethane	14.085	117	2176	2.735	ug/l	95
91) 1,2-Dichlorobenzene	13.871	146	5963	2.968	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.481	75	401	2.756	ug/l	87
93) 1,2,4-Trichlorobenzene	15.127	180	4151	3.012	ug/l	98
94) Hexachlorobutadiene	15.231	225	2532	2.843	ug/l	94
95) Naphthalene	15.359	128	5943	2.594	ug/l	97
96) 1,2,3-Trichlorobenzene	15.548	180	3492	2.822	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TIC: VW020729.D\data.ms

Abundance

Time-->

2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

340000
320000
300000
280000
260000
240000
220000
200000
180000
160000
140000
120000
100000
80000
60000
40000
20000
0

Dichlorodifluoromethane, T
Chloromethane, P
Vinyl Chloride, C
Bromomethane, T
Chloroethane, T
Trichlorofluoromethane, T
Diethyl Ether, T
Acrolein, T
Acrylonitrile, T
Methyl iodide, T
Carbon Disulfide, T
Methyl acetate, T
Methylene Chloride, T
Tert butyl alcohol, T
Acetone, T
Benzene, T
1,4-Dichlorobenzene, P
Diethyl ether, T
Ethyl acetate, T
2,3-Dichlorobenzene, T
1,2-Dichlorobenzene, T
Chloroform, C
Cyclohexane, T
1,1,1-Trichloroethane, S
Benzene, T
1,2-Dichloroethane-d4, S
1,4-Difluorobenzene, I
Trichloroethene, TM
1,2-Dichlorobenzene, T
Bromodichloromethane, T
2-Chloroethyl Vinyl ether, T
cis-1,2-Dichloropropene, T
4-Chlorobutanol, T
Toluene, CM
Ethyl acetate, T
1,4-Dichlorobenzene, T
1,2-Dichlorobenzene, T
Hexachlorocyclopentadiene, T
Dibromochloromethane, T
1,2-Dibromobenzene, T
Chlorobenzene-d5, I
1,4-Difluorobenzene, I
m,p-Xylenes, T
Styrene, T
Bromodichloromethane, T
Trans-1,4-Dibromobenzene, T
1,1,2,2-Tetrachloroethane, P
1,2-Dichlorobenzene, T
4-Chlorobutanol, T
tert-Butyl methylether, T
sec-Butyl alcohol, T
1,4-Dichlorobenzene, T
1,2-Dichlorobenzene, T
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
1,2,4-Trichlorobenzene, T
Hexachlorocyclopentadiene, T
Naphthalene, T
1,2,3-Trichlorobenzene, T