

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111721\
 Data File : VW020917.D
 Acq On : 17 Nov 2021 21:47
 Operator : SY/VA
 Sample : M4068-01 2.5PPBLOD
 Misc : 5.00g/5.0mL/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Nov 18 05:30:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 18 05:29:41 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Vimala Arumugam 11/18/2021
 Supervised By :Mahesh Dadoda 11/18/2021

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

Internal Standards						
1) Pentafluorobenzene	7.952	168	74655	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	112875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	104372	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	54643	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	35520	51.365	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.720%
35) Dibromofluoromethane	7.885	113	34964	49.383	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.760%
50) Toluene-d8	10.323	98	128420	49.455	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.900%
62) 4-Bromofluorobenzene	12.615	95	47001	48.534	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.060%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.008	85	217	1.598	ug/l #	41
3) Chloromethane	2.215	50	1176	2.736	ug/l	94
4) Vinyl Chloride	2.355	62	1700	2.246	ug/l	96
5) Bromomethane	2.776	94	1725	3.541	ug/l	96
6) Chloroethane	2.916	64	704	2.413	ug/l	99
7) Trichlorofluoromethane	3.251	101	805	2.565	ug/l	100
8) Diethyl Ether	3.678	74	849	2.575	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.062	101	1645	2.541	ug/l	96
10) Methyl Iodide	4.269	142	2190	2.242	ug/l	99
11) Tert butyl alcohol	5.178	59	659m	10.817	ug/l	
12) 1,1-Dichloroethene	4.044	96	1578	2.487	ug/l #	84
13) Acrolein	3.891	56	52	4.934	ug/l #	11
14) Allyl chloride	4.653	41	2206	2.422	ug/l	99
15) Acrylonitrile	5.367	53	1738	12.186	ug/l	97
16) Acetone	4.135	43	2514	17.489	ug/l	99
17) Carbon Disulfide	4.379	76	4183	2.399	ug/l	98
18) Methyl Acetate	4.678	43	1349	2.689	ug/l #	75
19) Methyl tert-butyl Ether	5.428	73	2860	2.616	ug/l	98
20) Methylene Chloride	4.916	84	3802	4.735	ug/l #	83
21) trans-1,2-Dichloroethene	5.428	96	1757	2.433	ug/l	96
22) Diisopropyl ether	6.318	45	4446	2.379	ug/l #	88
23) Vinyl Acetate	6.257	43	12692	11.604	ug/l	97
24) 1,1-Dichloroethane	6.214	63	2937	2.470	ug/l #	93
25) 2-Butanone	7.177	43	3041	14.895	ug/l	94
26) 2,2-Dichloropropane	7.159	77	2648	3.138	ug/l	80
27) cis-1,2-Dichloroethene	7.171	96	2177	2.698	ug/l	91
28) Bromochloromethane	7.513	49	1183	2.351	ug/l #	88
29) Tetrahydrofuran	7.537	42	1549	12.511	ug/l	97
30) Chloroform	7.677	83	3328	2.544	ug/l	94
31) Cyclohexane	7.952	56	4189	3.631	ug/l #	68
32) 1,1,1-Trichloroethane	7.878	97	2725	2.467	ug/l	97
36) 1,1-Dichloropropene	8.080	75	2533	2.498	ug/l	97
37) Ethyl Acetate	7.257	43	1349	2.917	ug/l #	87
38) Carbon Tetrachloride	8.074	117	2578	2.390	ug/l	90
39) Methylcyclohexane	9.336	83	3225	2.533	ug/l	94
40) Benzene	8.323	78	8749	3.026	ug/l	96

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41) Methacrylonitrile	7.494	41	523	2.121	ug/l #	84
42) 1,2-Dichloroethane	8.403	62	2312	2.636	ug/l	95
43) Isopropyl Acetate	8.427	43	2168	2.388	ug/l	99
44) Trichloroethene	9.092	130	2110	2.501	ug/l	98
45) 1,2-Dichloropropane	9.366	63	1624	2.439	ug/l #	78
46) Dibromomethane	9.451	93	1116	2.645	ug/l	92
47) Bromodichloromethane	9.640	83	2380	2.385	ug/l	99
48) Methyl methacrylate	9.439	41	1099	2.722	ug/l	88
49) 1,4-Dioxane	9.445	88	352	57.906	ug/l #	62
51) 4-Methyl-2-Pentanone	10.207	43	6121	13.244	ug/l	98
52) Toluene	10.384	92	4837	2.603	ug/l	97
53) t-1,3-Dichloropropene	10.604	75	2139	2.158	ug/l	92
54) cis-1,3-Dichloropropene	10.067	75	2589	2.309	ug/l #	91
55) 1,1,2-Trichloroethane	10.786	97	1374	2.429	ug/l	96
56) Ethyl methacrylate	10.646	69	1645	2.284	ug/l	95
57) 1,3-Dichloropropane	10.933	76	2318	2.434	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.921	63	5316	14.667	ug/l	97
59) 2-Hexanone	10.969	43	3500	10.886	ug/l	95
60) Dibromochloromethane	11.128	129	1558	2.185	ug/l	92
61) 1,2-Dibromoethane	11.238	107	1344	2.395	ug/l	99
64) Tetrachloroethene	10.866	164	2016	2.600	ug/l #	79
65) Chlorobenzene	11.658	112	5278	2.515	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.731	131	1895	2.429	ug/l	97
67) Ethyl Benzene	11.731	91	8974	2.437	ug/l	99
68) m/p-Xylenes	11.835	106	7354	4.940	ug/l	99
69) o-Xylene	12.164	106	3421	2.451	ug/l	98
70) Styrene	12.183	104	5554	2.369	ug/l	99
71) Bromoform	12.347	173	986	2.186	ug/l #	94
73) Isopropylbenzene	12.463	105	9226	2.471	ug/l	99
74) N-amyl acetate	12.274	43	2061	2.317	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.713	83	1554	2.385	ug/l	94
76) 1,2,3-Trichloropropane	12.768	75	1327m	2.703	ug/l	
77) Bromobenzene	12.743	156	2467	2.720	ug/l	90
78) n-propylbenzene	12.804	91	11259	2.560	ug/l	96
79) 2-Chlorotoluene	12.890	91	6634	2.610	ug/l	97
80) 1,3,5-Trimethylbenzene	12.945	105	8114	2.534	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.512	75	435m	2.084	ug/l	
82) 4-Chlorotoluene	12.987	91	6819	2.530	ug/l	99
83) tert-Butylbenzene	13.201	119	7097	2.480	ug/l	99
84) 1,2,4-Trimethylbenzene	13.249	105	8059	2.549	ug/l	100
85) sec-Butylbenzene	13.377	105	10040	2.438	ug/l	98
86) p-Isopropyltoluene	13.493	119	8569	2.413	ug/l	98
87) 1,3-Dichlorobenzene	13.499	146	4756	2.587	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	5088	2.755	ug/l	88
89) n-Butylbenzene	13.823	91	7897	2.477	ug/l	99
90) Hexachloroethane	14.091	117	1685	2.520	ug/l	79
91) 1,2-Dichlorobenzene	13.865	146	4291	2.657	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.487	75	255	2.229	ug/l	95
93) 1,2,4-Trichlorobenzene	15.127	180	3286	2.856	ug/l	99
94) Hexachlorobutadiene	15.231	225	1744	2.672	ug/l	99
95) Naphthalene	15.365	128	5865	2.750	ug/l	99
96) 1,2,3-Trichlorobenzene	15.554	180	3036	2.992	ug/l	97

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

