

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090721\
 Data File : VW019989.D
 Acq On : 07 Sep 2021 18:07
 Operator : SY/VA
 Sample : M2940-01 2.5PPBLOD
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2021

Manual Integrations
 APPROVED

MMDadoda
 9/8/2021 7:12:00 PM

Quant Time: Sep 08 12:35:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W090721S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 08 12:35:38 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.952	168	194108	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	318519	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	289492	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	140844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.311	65	107114	47.535	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.060%
35) Dibromofluoromethane	7.885	113	98319	47.004	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.000%
50) Toluene-d8	10.323	98	359152	46.190	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.380%
62) 4-Bromofluorobenzene	12.622	95	125886	43.756	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	87.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.014	85	2396	2.033	ug/l	91
3) Chloromethane	2.215	50	4995	2.847	ug/l	98
4) Vinyl Chloride	2.367	62	6179	2.172	ug/l	98
5) Bromomethane	2.788	94	5763	2.498	ug/l	90
6) Chloroethane	2.934	64	4399	2.244	ug/l #	86
7) Trichlorofluoromethane	3.270	101	3264	2.005	ug/l	98
8) Diethyl Ether	3.690	74	2377	2.385	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.074	101	4917	2.313	ug/l	99
10) Methyl Iodide	4.275	142	6317	2.170	ug/l	98
11) Tert butyl alcohol	5.166	59	2070m	19.192	ug/l	
12) 1,1-Dichloroethene	4.044	96	4455	2.224	ug/l	91
13) Acrolein	3.897	56	940	11.438	ug/l #	62
14) Allyl chloride	4.678	41	5806	2.131	ug/l	96
15) Acrylonitrile	5.379	53	4576	11.016	ug/l	99
16) Acetone	4.135	43	6331	17.492	ug/l	99
17) Carbon Disulfide	4.391	76	13450	2.207	ug/l	96
18) Methyl Acetate	4.684	43	2868	2.791	ug/l #	86
19) Methyl tert-butyl Ether	5.428	73	5614	2.125	ug/l	99
20) Methylene Chloride	4.922	84	17895	6.575	ug/l	89
21) trans-1,2-Dichloroethene	5.434	96	4964	2.182	ug/l #	94
22) Diisopropyl ether	6.318	45	10535	1.825	ug/l	93
23) Vinyl Acetate	6.263	43	28665	9.103	ug/l	98
24) 1,1-Dichloroethane	6.220	63	9168	2.243	ug/l	94
25) 2-Butanone	7.177	43	6050	11.659	ug/l #	81
26) 2,2-Dichloropropane	7.171	77	6160	2.492	ug/l	94
27) cis-1,2-Dichloroethene	7.171	96	5448	2.243	ug/l	93
28) Bromochloromethane	7.519	49	3577	2.205	ug/l #	99
29) Tetrahydrofuran	7.549	42	3319	10.281	ug/l	98
30) Chloroform	7.683	83	9663	2.244	ug/l	97
31) Cyclohexane	7.958	56	11757	3.201	ug/l #	62
32) 1,1,1-Trichloroethane	7.878	97	7808	2.240	ug/l	97
36) 1,1-Dichloropropene	8.086	75	7283	2.174	ug/l	98
37) Ethyl Acetate	7.257	43	2708	2.198	ug/l #	93
38) Carbon Tetrachloride	8.067	117	6956	2.036	ug/l	99
39) Methylcyclohexane	9.336	83	7978	2.054	ug/l	97
40) Benzene	8.330	78	20193	2.188	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.513	41	1683m	2.468	ug/l	
42) 1,2-Dichloroethane	8.403	62	6530	2.304	ug/l	96
43) Isopropyl Acetate	8.427	43	4758	2.035	ug/l	99
44) Trichloroethene	9.098	130	5499	2.271	ug/l	97
45) 1,2-Dichloropropane	9.366	63	4758	2.120	ug/l	98
46) Dibromomethane	9.464	93	2743	2.167	ug/l	99
47) Bromodichloromethane	9.646	83	6594	2.090	ug/l	92
48) Methyl methacrylate	9.439	41	2091	2.044	ug/l	93
49) 1,4-Dioxane	9.445	88	572	35.372	ug/l #	86
51) 4-Methyl-2-Pentanone	10.213	43	12181	10.048	ug/l	97
52) Toluene	10.390	92	13173	2.254	ug/l	100
53) t-1,3-Dichloropropene	10.610	75	5741	1.897	ug/l	97
54) cis-1,3-Dichloropropene	10.073	75	6591	1.871	ug/l	99
55) 1,1,2-Trichloroethane	10.786	97	3916	2.282	ug/l	90
56) Ethyl methacrylate	10.646	69	3647	1.900	ug/l	95
57) 1,3-Dichloropropane	10.933	76	6149	2.089	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.927	63	8557	9.766	ug/l	98
59) 2-Hexanone	10.969	43	7675	9.473	ug/l	95
60) Dibromochloromethane	11.128	129	3979	2.003	ug/l	99
61) 1,2-Dibromoethane	11.238	107	3442	2.142	ug/l	97
64) Tetrachloroethene	10.866	164	4434	2.207	ug/l	89
65) Chlorobenzene	11.658	112	14118	2.269	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.731	131	4497	2.028	ug/l	96
67) Ethyl Benzene	11.731	91	22280	2.030	ug/l	98
68) m/p-Xylenes	11.841	106	17076	3.942	ug/l	92
69) o-Xylene	12.164	106	7407	1.866	ug/l	98
70) Styrene	12.183	104	11041	1.641	ug/l	94
71) Bromoform	12.347	173	2200	2.015	ug/l #	98
73) Isopropylbenzene	12.463	105	18947	1.901	ug/l	98
74) N-amyl acetate	12.274	43	3667	1.793	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.713	83	4300	2.350	ug/l	97
76) 1,2,3-Trichloropropane	12.768	75	3068m	2.345	ug/l	
77) Bromobenzene	12.750	156	5185	2.243	ug/l	97
78) n-propylbenzene	12.804	91	26913	2.145	ug/l	100
79) 2-Chlorotoluene	12.890	91	16019	2.193	ug/l	99
80) 1,3,5-Trimethylbenzene	12.945	105	16682	1.899	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.512	75	998m	1.847	ug/l	
82) 4-Chlorotoluene	12.993	91	16436	2.140	ug/l	98
83) tert-Butylbenzene	13.207	119	14286	1.941	ug/l	98
84) 1,2,4-Trimethylbenzene	13.249	105	16404	1.907	ug/l	100
85) sec-Butylbenzene	13.384	105	22170	1.985	ug/l	99
86) p-Isopropyltoluene	13.499	119	17080	1.816	ug/l	95
87) 1,3-Dichlorobenzene	13.499	146	10869	2.217	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	12097	2.487	ug/l	93
89) n-Butylbenzene	13.823	91	17933	1.990	ug/l	96
90) Hexachloroethane	14.097	117	3961	2.204	ug/l	100
91) 1,2-Dichlorobenzene	13.871	146	9747	2.289	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.481	75	654	2.178	ug/l	88
93) 1,2,4-Trichlorobenzene	15.133	180	6327	2.437	ug/l	96
94) Hexachlorobutadiene	15.231	225	3602	2.336	ug/l	93
95) Naphthalene	15.365	128	9080	2.022	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.554	180	5429	2.386	ug/l	96

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

