

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080321\
 Data File : VW019666.D
 Acq On : 03 Aug 2021 18:18
 Operator : SY/VA
 Sample : M2940-01 2.5PPBLOD
 Misc : 5.00g/5.00mL/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 8/4/2021 7:04:38 PM

Quant Time: Aug 04 07:02:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W080321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 04 07:01:49 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.951	168	651979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	1105415	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	968563	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	471353	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	395353	47.662	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.320%		
35) Dibromofluoromethane	7.884	113	339316	46.439	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.880%		
50) Toluene-d8	10.323	98	1328532	46.527	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.060%		
62) 4-Bromofluorobenzene	12.615	95	473833	46.508	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.020%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	9611	2.628	ug/l	89
3) Chloromethane	2.215	50	15070	3.025	ug/l	94
4) Vinyl Chloride	2.367	62	18312	2.524	ug/l	92
5) Bromomethane	2.788	94	14355	2.644	ug/l	94
6) Chloroethane	2.934	64	11311	2.452	ug/l	99
7) Trichlorofluoromethane	3.269	101	12625	2.292	ug/l	98
8) Diethyl Ether	3.690	74	8226	2.413	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.086	101	16589	2.519	ug/l	99
10) Methyl Iodide	4.281	142	18936	2.232	ug/l	96
11) Tert butyl alcohol	5.202	59	6247	17.632	ug/l #	77
12) 1,1-Dichloroethene	4.050	96	15299	2.355	ug/l	90
13) Acrolein	3.897	56	3894	11.011	ug/l	96
14) Allyl chloride	4.678	41	22031	2.351	ug/l	93
15) Acrylonitrile	5.391	53	15947	10.870	ug/l	94
16) Acetone	4.135	43	23061	18.817	ug/l	98
17) Carbon Disulfide	4.397	76	42837	2.493	ug/l #	95
18) Methyl Acetate	4.690	43	9848	2.699	ug/l	99
19) Methyl tert-butyl Ether	5.421	73	21957	2.299	ug/l #	91
20) Methylene Chloride	4.928	84	174329	16.427	ug/l	97
21) trans-1,2-Dichloroethene	5.428	96	17388	2.416	ug/l	92
22) Diisopropyl ether	6.318	45	40858	2.047	ug/l #	83
23) Vinyl Acetate	6.263	43	109851	9.436	ug/l	97
24) 1,1-Dichloroethane	6.226	63	32072	2.328	ug/l	99
25) 2-Butanone	7.183	43	19289	10.884	ug/l #	88
26) 2,2-Dichloropropane	7.171	77	18718	2.448	ug/l	97
27) cis-1,2-Dichloroethene	7.177	96	18427	2.322	ug/l	98
28) Bromochloromethane	7.519	49	13407	2.469	ug/l	95
29) Tetrahydrofuran	7.543	42	12858	11.316	ug/l	99
30) Chloroform	7.683	83	33399	2.389	ug/l	100
31) Cyclohexane	7.958	56	41542	3.418	ug/l #	63
32) 1,1,1-Trichloroethane	7.872	97	25790	2.376	ug/l	96
36) 1,1-Dichloropropene	8.086	75	26099	2.409	ug/l	99
37) Ethyl Acetate	7.269	43	10688m	2.544	ug/l	
38) Carbon Tetrachloride	8.067	117	23691	2.361	ug/l	94
39) Methylcyclohexane	9.335	83	28765	2.312	ug/l	98
40) Benzene	8.329	78	71367	2.392	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.482	41	4502	1.901	ug/l #	80
42) 1,2-Dichloroethane	8.403	62	22891	2.451	ug/l	97
43) Isopropyl Acetate	8.427	43	17557	2.203	ug/l	95
44) Trichloroethene	9.092	130	18348	2.391	ug/l	99
45) 1,2-Dichloropropane	9.372	63	17318	2.292	ug/l	98
46) Dibromomethane	9.457	93	9353	2.340	ug/l	95
47) Bromodichloromethane	9.646	83	23118	2.316	ug/l	99
48) Methyl methacrylate	9.439	41	7397	2.088	ug/l #	90
49) 1,4-Dioxane	9.470	88	2262	43.488	ug/l #	83
51) 4-Methyl-2-Pentanone	10.213	43	45316	10.869	ug/l	97
52) Toluene	10.390	92	43142	2.295	ug/l	97
53) t-1,3-Dichloropropene	10.610	75	20523	2.106	ug/l	94
54) cis-1,3-Dichloropropene	10.073	75	23453	2.059	ug/l	91
55) 1,1,2-Trichloroethane	10.792	97	13071	2.340	ug/l	92
56) Ethyl methacrylate	10.646	69	13368	1.990	ug/l #	89
57) 1,3-Dichloropropane	10.933	76	22295	2.260	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.927	63	30697	9.837	ug/l	98
59) 2-Hexanone	10.969	43	28019	9.967	ug/l	95
60) Dibromochloromethane	11.128	129	12359	2.034	ug/l	97
61) 1,2-Dibromoethane	11.237	107	11532	2.214	ug/l	98
64) Tetrachloroethene	10.866	164	15495	2.578	ug/l	97
65) Chlorobenzene	11.658	112	45614	2.373	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.731	131	15305	2.325	ug/l	99
67) Ethyl Benzene	11.731	91	78491	2.252	ug/l	97
68) m/p-Xylenes	11.841	106	58501	4.395	ug/l	99
69) o-Xylene	12.170	106	26361	2.137	ug/l	96
70) Styrene	12.182	104	41225	1.978	ug/l	98
71) Bromoform	12.353	173	6621	2.094	ug/l #	92
73) Isopropylbenzene	12.463	105	70483	2.112	ug/l	99
74) N-amyl acetate	12.274	43	14158	2.017	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.713	83	14472	2.361	ug/l	95
76) 1,2,3-Trichloropropane	12.768	75	10813m	2.410	ug/l	
77) Bromobenzene	12.749	156	17551	2.396	ug/l	96
78) n-propylbenzene	12.804	91	96251	2.346	ug/l	99
79) 2-Chlorotoluene	12.890	91	56478	2.348	ug/l	96
80) 1,3,5-Trimethylbenzene	12.944	105	61567	2.164	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.512	75	3203m	1.836	ug/l	
82) 4-Chlorotoluene	12.987	91	58171	2.325	ug/l	100
83) tert-Butylbenzene	13.207	119	51811	2.119	ug/l	93
84) 1,2,4-Trimethylbenzene	13.249	105	60837	2.148	ug/l	100
85) sec-Butylbenzene	13.383	105	83286	2.244	ug/l	100
86) p-Isopropyltoluene	13.499	119	66130	2.171	ug/l	98
87) 1,3-Dichlorobenzene	13.499	146	36493	2.365	ug/l	97
88) 1,4-Dichlorobenzene	13.579	146	38451	2.506	ug/l	88
89) n-Butylbenzene	13.822	91	69602	2.323	ug/l	95
90) Hexachloroethane	14.091	117	12494	2.248	ug/l	99
91) 1,2-Dichlorobenzene	13.871	146	31972	2.359	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.481	75	2614	2.618	ug/l	87
93) 1,2,4-Trichlorobenzene	15.133	180	20968	2.493	ug/l	98
94) Hexachlorobutadiene	15.231	225	12278	2.511	ug/l	95
95) Naphthalene	15.365	128	35885	2.289	ug/l	98
96) 1,2,3-Trichlorobenzene	15.554	180	20610	2.772	ug/l	93

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

