

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080321\
 Data File : VW019668.D
 Acq On : 03 Aug 2021 19:06
 Operator : SY/VA
 Sample : M2940-02 5PPBLOQ
 Misc : 5.00g/5.00mL/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2021

Manual Integrations
 APPROVED

MMDadoda
 8/4/2021 7:04:42 PM

Quant Time: Aug 04 07:03:35 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	7.952	168	626726	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.848	114	1034497	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	942695	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	473648	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.311	65	386386	48.458	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.920%
35) Dibromofluoromethane	7.891	113	329110	48.130	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.260%
50) Toluene-d8	10.323	98	1293923	48.421	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.840%
62) 4-Bromofluorobenzene	12.615	95	466721	48.951	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.014	85	20263	5.763	ug/l	90
3) Chloromethane	2.221	50	28251	5.899	ug/l	99
4) Vinyl Chloride	2.367	62	37126	5.324	ug/l	92
5) Bromomethane	2.782	94	27262	5.223	ug/l	89
6) Chloroethane	2.934	64	22646	5.108	ug/l	88
7) Trichlorofluoromethane	3.263	101	26248	4.957	ug/l	100
8) Diethyl Ether	3.690	74	17224	5.256	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.074	101	32914	5.199	ug/l	97
10) Methyl Iodide	4.281	142	40110	4.918	ug/l	95
11) Tert butyl alcohol	5.165	59	13160	38.641	ug/l #	84
12) 1,1-Dichloroethene	4.044	96	31822	5.096	ug/l	97
13) Acrolein	3.903	56	8211	24.153	ug/l	96
14) Allyl chloride	4.678	41	45619	5.064	ug/l	91
15) Acrylonitrile	5.373	53	38046	26.978	ug/l	97
16) Acetone	4.129	43	41645	35.349	ug/l	96
17) Carbon Disulfide	4.391	76	88044	5.331	ug/l	98
18) Methyl Acetate	4.678	43	25407	7.243	ug/l	99
19) Methyl tert-butyl Ether	5.421	73	47692	5.194	ug/l	98
20) Methylene Chloride	4.922	84	210998	20.684	ug/l	98
21) trans-1,2-Dichloroethene	5.428	96	34322	4.960	ug/l	96
22) Diisopropyl ether	6.318	45	92198	4.805	ug/l	92
23) Vinyl Acetate	6.263	43	249031	22.254	ug/l	97
24) 1,1-Dichloroethane	6.220	63	65955	4.980	ug/l	99
25) 2-Butanone	7.183	43	46302	27.180	ug/l	98
26) 2,2-Dichloropropane	7.171	77	37995	5.169	ug/l	98
27) cis-1,2-Dichloroethene	7.171	96	37761	4.951	ug/l	97
28) Bromochloromethane	7.519	49	26098	5.001	ug/l	99
29) Tetrahydrofuran	7.543	42	29635	27.132	ug/l	98
30) Chloroform	7.677	83	67882	5.051	ug/l	96
31) Cyclohexane	7.958	56	67255	5.757	ug/l #	73
32) 1,1,1-Trichloroethane	7.872	97	53079	5.088	ug/l	99
36) 1,1-Dichloropropene	8.086	75	51636	5.093	ug/l	99
37) Ethyl Acetate	7.257	43	22318	5.676	ug/l #	93
38) Carbon Tetrachloride	8.073	117	48305	5.143	ug/l	92
39) Methylcyclohexane	9.335	83	57236	4.915	ug/l	99
40) Benzene	8.329	78	143641	5.144	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.488	41	11333	5.114	ug/l #	89
42) 1,2-Dichloroethane	8.403	62	47203	5.401	ug/l	98
43) Isopropyl Acetate	8.427	43	38961	5.224	ug/l	99
44) Trichloroethene	9.098	130	37134	5.171	ug/l	100
45) 1,2-Dichloropropane	9.372	63	36651	5.183	ug/l	99
46) Dibromomethane	9.457	93	19309	5.163	ug/l	98
47) Bromodichloromethane	9.646	83	46387	4.967	ug/l	96
48) Methyl methacrylate	9.439	41	17168	5.179	ug/l	95
49) 1,4-Dioxane	9.451	88	5325	109.394	ug/l #	86
51) 4-Methyl-2-Pentanone	10.213	43	103568	26.542	ug/l	97
52) Toluene	10.390	92	91298	5.191	ug/l	99
53) t-1,3-Dichloropropene	10.610	75	44646	4.896	ug/l	98
54) cis-1,3-Dichloropropene	10.073	75	51977	4.875	ug/l	94
55) 1,1,2-Trichloroethane	10.786	97	26651	5.098	ug/l	98
56) Ethyl methacrylate	10.646	69	30091	4.786	ug/l	93
57) 1,3-Dichloropropane	10.933	76	47537	5.148	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.927	63	71186	24.377	ug/l	98
59) 2-Hexanone	10.969	43	68720	26.120	ug/l	93
60) Dibromochloromethane	11.134	129	28470	5.007	ug/l	94
61) 1,2-Dibromoethane	11.238	107	25226	5.175	ug/l	97
64) Tetrachloroethene	10.866	164	30730	5.252	ug/l	93
65) Chlorobenzene	11.658	112	97047	5.188	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.731	131	31751	4.956	ug/l	99
67) Ethyl Benzene	11.731	91	163934	4.833	ug/l	98
68) m/p-Xylenes	11.841	106	121157	9.351	ug/l	95
69) o-Xylene	12.164	106	55283	4.605	ug/l	92
70) Styrene	12.182	104	91294	4.500	ug/l	96
71) Bromoform	12.353	173	15384	4.999	ug/l #	94
73) Isopropylbenzene	12.463	105	149156	4.448	ug/l	100
74) N-amyl acetate	12.274	43	32864	4.659	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.713	83	32856	5.334	ug/l	98
76) 1,2,3-Trichloropropane	12.768	75	22870m	5.072	ug/l	
77) Bromobenzene	12.749	156	36845	5.006	ug/l	97
78) n-propylbenzene	12.804	91	200042	4.852	ug/l	98
79) 2-Chlorotoluene	12.890	91	117017	4.841	ug/l	100
80) 1,3,5-Trimethylbenzene	12.945	105	132721	4.643	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.518	75	8265	4.714	ug/l	85
82) 4-Chlorotoluene	12.987	91	122258	4.863	ug/l	98
83) tert-Butylbenzene	13.207	119	112723	4.589	ug/l	96
84) 1,2,4-Trimethylbenzene	13.249	105	132967	4.672	ug/l	99
85) sec-Butylbenzene	13.383	105	172898	4.635	ug/l	100
86) p-Isopropyltoluene	13.499	119	139310	4.552	ug/l	98
87) 1,3-Dichlorobenzene	13.499	146	76398	4.927	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	78760	5.109	ug/l	95
89) n-Butylbenzene	13.822	91	141430	4.697	ug/l	97
90) Hexachloroethane	14.091	117	25574	4.580	ug/l	96
91) 1,2-Dichlorobenzene	13.871	146	67475	4.953	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.487	75	5192	5.175	ug/l	95
93) 1,2,4-Trichlorobenzene	15.133	180	41854	4.953	ug/l	95
94) Hexachlorobutadiene	15.231	225	25496	5.190	ug/l	99
95) Naphthalene	15.365	128	74880	4.753	ug/l	99
96) 1,2,3-Trichlorobenzene	15.554	180	38247	5.120	ug/l	97

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

