

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111920\
 Data File : VD067700.D
 Acq On : 19 Nov 2020 11:33
 Operator : VA/SY
 Sample : VD1119SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/20/2020 10:06:30 AM

Quant Time: Nov 20 00:45:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	267248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	394701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	356077	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	182307	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	111203	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
35) Dibromofluoromethane	7.92	113	113646	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
50) Toluene-d8	10.34	98	391882	46.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.78%	
62) 4-Bromofluorobenzene	12.64	95	140840	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	52358	21.622	ug/l	92
3) Chloromethane	2.21	50	32105	19.291	ug/l	94
4) Vinyl Chloride	2.35	62	34786	18.748	ug/l	99
5) Bromomethane	2.77	94	30808	20.486	ug/l	95
6) Chloroethane	2.93	64	23942	20.930	ug/l	99
7) Trichlorofluoromethane	3.28	101	105231	21.904	ug/l	96
8) Diethyl Ether	3.70	74	20321	20.992	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	53265	21.965	ug/l	98
10) Methyl Iodide	4.30	142	47652	18.334	ug/l	97
11) Tert butyl alcohol	5.20	59	24236	239.852	ug/l #	79
12) 1,1-Dichloroethene	4.07	96	46893	21.023	ug/l	95
13) Acrolein	3.92	56	4421	66.143	ug/l	94
14) Allyl chloride	4.71	41	46732	19.575	ug/l	96
15) Acrylonitrile	5.43	53	36807	102.859	ug/l	99
16) Acetone	4.16	43	35143	100.498	ug/l	98
17) Carbon Disulfide	4.41	76	128059	18.735	ug/l	100
18) Methyl Acetate	4.71	43	15082	20.871	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	95367	21.675	ug/l	95
20) Methylene Chloride	4.96	84	60374	24.441	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	52955	20.383	ug/l	97
22) Diisopropyl ether	6.36	45	98710	21.218	ug/l	97
23) Vinyl Acetate	6.31	43	257060	105.561	ug/l	99
24) 1,1-Dichloroethane	6.27	63	82596	21.702	ug/l	98
25) 2-Butanone	7.21	43	39995	107.039	ug/l	98
26) 2,2-Dichloropropane	7.21	77	89615	22.311	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	58001	21.508	ug/l	97
28) Bromochloromethane	7.55	49	25876	19.114	ug/l	95
29) Tetrahydrofuran	7.57	42	23931	106.922	ug/l	99
30) Chloroform	7.71	83	103102	22.708	ug/l	95
31) Cyclohexane	7.99	56	66294	19.560	ug/l #	84
32) 1,1,1-Trichloroethane	7.90	97	104806	22.372	ug/l	99
36) 1,1-Dichloropropene	8.11	75	71401	21.133	ug/l	99
37) Ethyl Acetate	7.29	43	17663	20.137	ug/l #	91
38) Carbon Tetrachloride	8.10	117	98025	22.331	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	82180	20.666	ug/l	91
40) Benzene	8.36	78	197231	21.551	ug/l	100
41) Methacrylonitrile	7.53	41	12598	24.028	ug/l	87
42) 1,2-Dichloroethane	8.43	62	64635	22.859	ug/l	100
43) Isopropyl Acetate	8.46	43	36870	21.254	ug/l	99
44) Trichloroethene	9.11	130	64350	21.385	ug/l	87
45) 1,2-Dichloropropane	9.39	63	42818	21.640	ug/l	99
46) Dibromomethane	9.48	93	26523	21.082	ug/l	94
47) Bromodichloromethane	9.66	83	76883	22.484	ug/l	98
48) Methyl methacrylate	9.46	41	16164	18.047	ug/l #	78
49) 1,4-Dioxane	9.47	88	5370	420.457	ug/l #	31
51) 4-Methyl-2-Pentanone	10.23	43	89389	107.745	ug/l	98
52) Toluene	10.41	92	137025	22.354	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	66067	22.559	ug/l	91
54) cis-1,3-Dichloropropene	10.09	75	74409	21.384	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	37507	22.532	ug/l	97
56) Ethyl methacrylate	10.66	69	35869	20.866	ug/l	98
57) 1,3-Dichloropropane	10.95	76	57925	21.625	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	83918	104.686	ug/l	98
59) 2-Hexanone	10.98	43	61929	106.760	ug/l	100
60) Dibromochloromethane	11.14	129	56193	22.820	ug/l	100
61) 1,2-Dibromoethane	11.25	107	36208	21.673	ug/l	95
64) Tetrachloroethene	10.88	164	58554	22.204	ug/l	97
65) Chlorobenzene	11.67	112	152352	22.212	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	60453	22.362	ug/l	100
67) Ethyl Benzene	11.75	91	262365	22.353	ug/l	100
68) m/p-Xylenes	11.86	106	207850	45.519	ug/l	99
69) o-Xylene	12.18	106	92166	22.607	ug/l	97
70) Styrene	12.20	104	161101	22.677	ug/l	100
71) Bromoform	12.36	173	30420	22.064	ug/l #	96
73) Isopropylbenzene	12.48	105	267009	22.662	ug/l	98
74) N-amyl acetate	12.29	43	32726	21.109	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	36910	22.973	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	25878m	23.530	ug/l	
77) Bromobenzene	12.77	156	62827	21.713	ug/l	98
78) n-propylbenzene	12.83	91	298298	22.134	ug/l	98
79) 2-Chlorotoluene	12.91	91	168779	22.047	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	226660	22.520	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	11415	21.073	ug/l	94
82) 4-Chlorotoluene	13.01	91	180575	21.993	ug/l	99
83) tert-Butylbenzene	13.23	119	195268	22.892	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	223362	22.294	ug/l	97
85) sec-Butylbenzene	13.41	105	257319	22.346	ug/l	99
86) p-Isopropyltoluene	13.52	119	246592	22.176	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	122372	22.164	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	121146	21.669	ug/l	98
89) n-Butylbenzene	13.85	91	208382	21.695	ug/l	99
90) Hexachloroethane	14.11	117	47020	22.454	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	106847	22.360	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6127	21.539	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	69131	21.315	ug/l	99
94) Hexachlorobutadiene	15.27	225	45070	20.764	ug/l	99
95) Naphthalene	15.41	128	108834	21.744	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	58818	21.178	ug/l	98

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

