

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111820\
 Data File : VD067676.D
 Acq On : 18 Nov 2020 10:53
 Operator : VA/SY
 Sample : VD1118SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/19/2020 11:07:03 AM

Quant Time: Nov 19 00:38:51 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	288372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	417537	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	388369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	193003	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	119123	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	
35) Dibromofluoromethane	7.92	113	120782	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
50) Toluene-d8	10.34	98	414399	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	
62) 4-Bromofluorobenzene	12.64	95	151920	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	56768	21.750	ug/l	97
3) Chloromethane	2.21	50	35318	19.668	ug/l	96
4) Vinyl Chloride	2.36	62	38272	19.116	ug/l	96
5) Bromomethane	2.76	94	32009	19.725	ug/l	98
6) Chloroethane	2.93	64	24472	19.826	ug/l	99
7) Trichlorofluoromethane	3.28	101	112614	21.724	ug/l	98
8) Diethyl Ether	3.71	74	21915	20.980	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	55493	21.207	ug/l	99
10) Methyl Iodide	4.30	142	53140	18.948	ug/l	99
11) Tert butyl alcohol	5.21	59	22167	199.958	ug/l #	95
12) 1,1-Dichloroethene	4.08	96	49236	20.456	ug/l	94
13) Acrolein	3.93	56	4697	65.561	ug/l	84
14) Allyl chloride	4.72	41	50953	19.780	ug/l	95
15) Acrylonitrile	5.43	53	40603	105.155	ug/l	99
16) Acetone	4.16	43	34235	90.730	ug/l	97
17) Carbon Disulfide	4.41	76	140074	18.992	ug/l #	89
18) Methyl Acetate	4.73	43	16445	21.091	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	100063	21.076	ug/l #	92
20) Methylene Chloride	4.97	84	59973	22.501	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	56726	20.235	ug/l	94
22) Diisopropyl ether	6.37	45	107518	21.418	ug/l	97
23) Vinyl Acetate	6.31	43	271143	103.188	ug/l	99
24) 1,1-Dichloroethane	6.27	63	85257	20.760	ug/l	97
25) 2-Butanone	7.21	43	41415	102.720	ug/l	91
26) 2,2-Dichloropropane	7.21	77	95157	21.955	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	60686	20.856	ug/l	94
28) Bromochloromethane	7.55	49	28121	19.251	ug/l	100
29) Tetrahydrofuran	7.57	42	24033	99.512	ug/l	99
30) Chloroform	7.71	83	109919	22.436	ug/l	96
31) Cyclohexane	7.99	56	70196	19.194	ug/l #	93
32) 1,1,1-Trichloroethane	7.91	97	111601	22.077	ug/l	98
36) 1,1-Dichloropropene	8.11	75	77143	21.584	ug/l	99
37) Ethyl Acetate	7.30	43	19334	20.837	ug/l #	77
38) Carbon Tetrachloride	8.10	117	108893	23.450	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	89189	21.202	ug/l	95
40) Benzene	8.36	78	218490	22.568	ug/l	98
41) Methacrylonitrile	7.53	41	8826	15.913	ug/l #	61
42) 1,2-Dichloroethane	8.43	62	66811	22.336	ug/l	98
43) Isopropyl Acetate	8.46	43	38313	20.878	ug/l	99
44) Trichloroethene	9.11	130	68474	21.511	ug/l	89
45) 1,2-Dichloropropane	9.39	63	46024	21.988	ug/l	96
46) Dibromomethane	9.48	93	28860	21.685	ug/l	96
47) Bromodichloromethane	9.67	83	81274	22.468	ug/l #	93
48) Methyl methacrylate	9.46	41	20362	21.490	ug/l	97
49) 1,4-Dioxane	9.46	88	5536	409.748	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	97058	110.591	ug/l	100
52) Toluene	10.41	92	147236	22.706	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	69538	22.445	ug/l	92
54) cis-1,3-Dichloropropene	10.10	75	81683	22.191	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	40394	22.939	ug/l	97
56) Ethyl methacrylate	10.67	69	39034	21.466	ug/l	95
57) 1,3-Dichloropropane	10.95	76	63266	22.327	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	82594	97.399	ug/l	97
59) 2-Hexanone	10.99	43	62899	102.501	ug/l	99
60) Dibromochloromethane	11.14	129	58773	22.563	ug/l	100
61) 1,2-Dibromoethane	11.25	107	38855	21.985	ug/l	100
64) Tetrachloroethene	10.88	164	61245	21.293	ug/l	96
65) Chlorobenzene	11.67	112	163183	21.813	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	65831	22.327	ug/l	98
67) Ethyl Benzene	11.75	91	279144	21.805	ug/l	96
68) m/p-Xylenes	11.86	106	223880	44.952	ug/l	100
69) o-Xylene	12.18	106	97879	22.012	ug/l	99
70) Styrene	12.20	104	170195	21.966	ug/l	98
71) Bromoform	12.37	173	35034	23.297	ug/l #	99
73) Isopropylbenzene	12.48	105	281839	22.595	ug/l	100
74) N-amyl acetate	12.29	43	34286	20.889	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	36991	21.748	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	19247m	16.531	ug/l	
77) Bromobenzene	12.77	156	67962	22.186	ug/l	98
78) n-propylbenzene	12.83	91	321850	22.558	ug/l	99
79) 2-Chlorotoluene	12.91	91	187121	23.088	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	242567	22.765	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	11876	20.709	ug/l	96
82) 4-Chlorotoluene	13.01	91	198399	22.825	ug/l	100
83) tert-Butylbenzene	13.23	119	205552	22.762	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	242473	22.861	ug/l	97
85) sec-Butylbenzene	13.41	105	280054	22.973	ug/l	99
86) p-Isopropyltoluene	13.52	119	267360	22.711	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	132672	22.697	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	127804	21.593	ug/l	96
89) n-Butylbenzene	13.85	91	219374	21.574	ug/l	98
90) Hexachloroethane	14.12	117	48099	21.696	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	113410	22.418	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6580	21.850	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	77511	22.575	ug/l	94
94) Hexachlorobutadiene	15.27	225	50188	21.840	ug/l	96
95) Naphthalene	15.41	128	109447	20.655	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	61731	20.995	ug/l	99

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

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