

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111120\
 Data File : VD067596.D
 Acq On : 11 Nov 2020 12:24
 Operator : VA/SY
 Sample : VD1111SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/12/2020 1:11:42 PM

Quant Time: Nov 12 00:32:50 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	296218	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	438762	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	406385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	208127	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	124301	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
35) Dibromofluoromethane	7.91	113	128212	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
50) Toluene-d8	10.34	98	442376	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
62) 4-Bromofluorobenzene	12.64	95	165858	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	61572	23.245	ug/l	97
3) Chloromethane	2.21	50	38207	20.713	ug/l	97
4) Vinyl Chloride	2.35	62	42484	20.658	ug/l	96
5) Bromomethane	2.76	94	32864	19.716	ug/l	99
6) Chloroethane	2.92	64	27020	21.311	ug/l	94
7) Trichlorofluoromethane	3.27	101	122463	22.998	ug/l	98
8) Diethyl Ether	3.71	74	23334	21.747	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	61992	23.063	ug/l	98
10) Methyl Iodide	4.30	142	59965	20.815	ug/l	98
11) Tert butyl alcohol	5.22	59	22703m	199.304	ug/l	
12) 1,1-Dichloroethene	4.07	96	53256	21.540	ug/l	95
13) Acrolein	3.92	56	5712	72.404	ug/l	100
14) Allyl chloride	4.71	41	57129	21.590	ug/l	99
15) Acrylonitrile	5.42	53	44855	113.090	ug/l	98
16) Acetone	4.15	43	41360	106.710	ug/l	98
17) Carbon Disulfide	4.41	76	159033	20.992	ug/l	98
18) Methyl Acetate	4.71	43	19285	24.078	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	111567	22.877	ug/l #	90
20) Methylene Chloride	4.96	84	60590	22.130	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	61667	21.415	ug/l	96
22) Diisopropyl ether	6.37	45	116325	22.559	ug/l	99
23) Vinyl Acetate	6.31	43	305309	113.113	ug/l	98
24) 1,1-Dichloroethane	6.27	63	93182	22.089	ug/l	99
25) 2-Butanone	7.21	43	46458	112.175	ug/l	96
26) 2,2-Dichloropropane	7.21	77	102251	22.967	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	65291	21.844	ug/l	95
28) Bromochloromethane	7.55	49	28210	18.800	ug/l	92
29) Tetrahydrofuran	7.56	42	28431	114.604	ug/l	95
30) Chloroform	7.71	83	110203	21.898	ug/l	100
31) Cyclohexane	7.99	56	78073	20.783	ug/l #	90
32) 1,1,1-Trichloroethane	7.91	97	115958	22.332	ug/l	100
36) 1,1-Dichloropropene	8.11	75	82314	21.917	ug/l	99
37) Ethyl Acetate	7.30	43	21952	22.514	ug/l	96
38) Carbon Tetrachloride	8.10	117	111097	22.767	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	98036	22.178	ug/l	99
40) Benzene	8.36	78	224544	22.072	ug/l	98
41) Methacrylonitrile	7.53	41	10484	17.988	ug/l #	83
42) 1,2-Dichloroethane	8.43	62	72234	22.981	ug/l	97
43) Isopropyl Acetate	8.46	43	43442	22.528	ug/l	96
44) Trichloroethene	9.11	130	74852	22.377	ug/l	92
45) 1,2-Dichloropropane	9.39	63	48321	21.969	ug/l	99
46) Dibromomethane	9.48	93	30982	22.153	ug/l	99
47) Bromodichloromethane	9.67	83	86855	22.849	ug/l	95
48) Methyl methacrylate	9.46	41	20865	20.956	ug/l	91
49) 1,4-Dioxane	9.47	88	6617	466.066	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	109317	118.534	ug/l	98
52) Toluene	10.41	92	155407	22.807	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	74624	22.922	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	85664	22.147	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	43400	23.454	ug/l	95
56) Ethyl methacrylate	10.67	69	44894	23.494	ug/l	94
57) 1,3-Dichloropropane	10.95	76	68587	23.034	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	98335	110.352	ug/l	97
59) 2-Hexanone	10.99	43	79803	123.757	ug/l	95
60) Dibromochloromethane	11.14	129	63742	23.286	ug/l	95
61) 1,2-Dibromoethane	11.25	107	43133	23.225	ug/l	98
64) Tetrachloroethene	10.88	164	66474	22.087	ug/l	97
65) Chlorobenzene	11.67	112	173087	22.111	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	72205	23.403	ug/l	99
67) Ethyl Benzene	11.75	91	306607	22.889	ug/l	99
68) m/p-Xylenes	11.86	106	244054	46.831	ug/l	97
69) o-Xylene	12.19	106	108324	23.281	ug/l	98
70) Styrene	12.20	104	185427	22.870	ug/l	98
71) Bromoform	12.37	173	38111	24.220	ug/l #	100
73) Isopropylbenzene	12.48	105	307645	22.872	ug/l	100
74) N-amyl acetate	12.29	43	42228	23.859	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.74	83	42762	23.314	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	25715m	20.481	ug/l	
77) Bromobenzene	12.77	156	73520	22.256	ug/l	98
78) n-propylbenzene	12.83	91	349030	22.686	ug/l	100
79) 2-Chlorotoluene	12.91	91	196698	22.506	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	268812	23.395	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	13607	22.003	ug/l	95
82) 4-Chlorotoluene	13.01	91	211005	22.511	ug/l	98
83) tert-Butylbenzene	13.23	119	235584	24.192	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	273456	23.908	ug/l	99
85) sec-Butylbenzene	13.41	105	308704	23.483	ug/l	99
86) p-Isopropyltoluene	13.52	119	296319	23.342	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	146861	23.299	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	140737	22.050	ug/l	98
89) n-Butylbenzene	13.85	91	257574	23.490	ug/l	98
90) Hexachloroethane	14.11	117	54591	22.835	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	122479	22.451	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7751	23.868	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	85432	23.073	ug/l	99
94) Hexachlorobutadiene	15.27	225	54826	22.125	ug/l	98
95) Naphthalene	15.41	128	134604	23.557	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	73587	23.209	ug/l	99

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

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