

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012120\
 Data File : VD064904.D
 Acq On : 21 Jan 2020 11:19
 Operator : VA/SY
 Sample : VD0121SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0121SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/22/2020 10:49:30 AM

Quant Time: Jan 22 06:09:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	341492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	505057	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	453706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	227741	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	160139	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	
35) Dibromofluoromethane	7.92	113	154173	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
50) Toluene-d8	10.34	98	554960	46.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.52%	
62) 4-Bromofluorobenzene	12.64	95	183824	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	52724	19.867	ug/l	94
3) Chloromethane	2.21	50	82992	22.360	ug/l	99
4) Vinyl Chloride	2.35	62	97808	21.613	ug/l	98
5) Bromomethane	2.77	94	66126	20.096	ug/l	93
6) Chloroethane	2.92	64	64346	21.220	ug/l	97
7) Trichlorofluoromethane	3.27	101	158172	20.758	ug/l	95
8) Diethyl Ether	3.71	74	35608	23.532	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.08	101	74082	23.475	ug/l	99
10) Methyl Iodide	4.30	142	70314	20.743	ug/l	98
11) Tert butyl alcohol	5.25	59	24728	143.288	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	67886	22.596	ug/l	98
13) Acrolein	3.93	56	18856	78.400	ug/l	96
14) Allyl chloride	4.71	41	111094	23.717	ug/l	97
15) Acrylonitrile	5.43	53	79140	125.564	ug/l	97
16) Acetone	4.17	43	79664	120.335	ug/l #	86
17) Carbon Disulfide	4.40	76	200932	20.683	ug/l	100
18) Methyl Acetate	4.72	43	40855	24.099	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	157526	23.606	ug/l	97
20) Methylene Chloride	4.97	84	106706	32.985	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	77833	22.748	ug/l	99
22) Diisopropyl ether	6.37	45	228296	24.435	ug/l	95
23) Vinyl Acetate	6.31	43	625704	118.058	ug/l	99
24) 1,1-Dichloroethane	6.27	63	135755	24.203	ug/l #	94
25) 2-Butanone	7.23	43	100765	121.739	ug/l	98
26) 2,2-Dichloropropane	7.21	77	126399	24.238	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	85517	23.159	ug/l	100
28) Bromochloromethane	7.55	49	48175	22.095	ug/l	96
29) Tetrahydrofuran	7.57	42	61133	118.766	ug/l	97
30) Chloroform	7.71	83	146293	24.860	ug/l	99
31) Cyclohexane	7.98	56	124666	22.204	ug/l #	92
32) 1,1,1-Trichloroethane	7.91	97	132460	23.965	ug/l	98
36) 1,1-Dichloropropene	8.11	75	110287	22.687	ug/l	98
37) Ethyl Acetate	7.30	43	47562	24.905	ug/l	99
38) Carbon Tetrachloride	8.10	117	119267	23.009	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	128736	21.865	ug/l	96
40) Benzene	8.36	78	304375	22.936	ug/l	98
41) Methacrylonitrile	7.53	41	16982m	15.326	ug/l	
42) 1,2-Dichloroethane	8.43	62	94162	24.554	ug/l	97
43) Isopropyl Acetate	8.46	43	89510	23.548	ug/l	99
44) Trichloroethene	9.11	130	86318	22.142	ug/l	98
45) 1,2-Dichloropropane	9.39	63	76080	24.011	ug/l	99
46) Dibromomethane	9.48	93	42066	23.813	ug/l	98
47) Bromodichloromethane	9.67	83	110771	23.565	ug/l	96
48) Methyl methacrylate	9.46	41	41537	23.208	ug/l	94
49) 1,4-Dioxane	9.47	88	8984	441.053	ug/l #	91
51) 4-Methyl-2-Pentanone	10.23	43	220525	117.375	ug/l	99
52) Toluene	10.41	92	199930	22.964	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	101254	23.104	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	121796	23.569	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	56643	23.792	ug/l	94
56) Ethyl methacrylate	10.67	69	66528	22.376	ug/l	96
57) 1,3-Dichloropropane	10.95	76	96861	23.630	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.95	63	137312	121.218	ug/l	96
59) 2-Hexanone	10.99	43	153636	120.481	ug/l	99
60) Dibromochloromethane	11.14	129	77856	23.649	ug/l	98
61) 1,2-Dibromoethane	11.25	107	54472	23.198	ug/l	99
64) Tetrachloroethene	10.88	164	74694	21.459	ug/l	98
65) Chlorobenzene	11.68	112	211436	22.454	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	80094	22.562	ug/l	99
67) Ethyl Benzene	11.75	91	376879	22.050	ug/l	99
68) m/p-Xylenes	11.86	106	286069	43.363	ug/l	97
69) o-Xylene	12.18	106	126875	21.292	ug/l	100
70) Styrene	12.20	104	231783	22.160	ug/l	98
71) Bromoform	12.37	173	45590	22.520	ug/l #	98
73) Isopropylbenzene	12.48	105	350230	21.520	ug/l	100
74) N-amyl acetate	12.30	43	77229	22.199	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	60857	23.804	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	31843m	17.706	ug/l	
77) Bromobenzene	12.77	156	86991	21.753	ug/l	96
78) n-propylbenzene	12.83	91	414696	21.841	ug/l	100
79) 2-Chlorotoluene	12.91	91	230472	22.097	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	292098	21.849	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	20261	23.563	ug/l	99
82) 4-Chlorotoluene	13.01	91	245643	22.131	ug/l	100
83) tert-Butylbenzene	13.23	119	242809	20.918	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	285817	21.466	ug/l	100
85) sec-Butylbenzene	13.41	105	346545	21.777	ug/l	98
86) p-Isopropyltoluene	13.53	119	323094	21.233	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	168589	22.115	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	161794	21.604	ug/l	97
89) n-Butylbenzene	13.85	91	294972	21.526	ug/l	99
90) Hexachloroethane	14.12	117	64611	22.229	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	142587	21.935	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	9404	22.690	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	100973	21.096	ug/l	98
94) Hexachlorobutadiene	15.28	225	62212	20.655	ug/l	96
95) Naphthalene	15.41	128	155215	20.498	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	87429	21.396	ug/l	98

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

