

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031320\
 Data File : VD065501.D
 Acq On : 13 Mar 2020 12:37
 Operator : VA/SY
 Sample : VD0313SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0313SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 2:05:28 PM

Quant Time: Mar 16 02:22:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	456770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	663816	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	618389	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	310997	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	196388	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
35) Dibromofluoromethane	7.92	113	211187	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
50) Toluene-d8	10.34	98	809740	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
62) 4-Bromofluorobenzene	12.64	95	260597	53.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	84904	21.628	ug/l	99
3) Chloromethane	2.21	50	98195	20.719	ug/l	99
4) Vinyl Chloride	2.35	62	99875	21.365	ug/l	97
5) Bromomethane	2.76	94	63986	21.721	ug/l	96
6) Chloroethane	2.92	64	62321	21.767	ug/l	97
7) Trichlorofluoromethane	3.27	101	148844	21.609	ug/l	100
8) Diethyl Ether	3.70	74	43874	21.418	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	96422	21.735	ug/l	99
10) Methyl Iodide	4.30	142	94223	20.444	ug/l	99
11) Tert butyl alcohol	5.25	59	20291	90.285	ug/l	97
12) 1,1-Dichloroethene	4.06	96	87650	20.633	ug/l	94
13) Acrolein	3.92	56	29828	76.956	ug/l	96
14) Allyl chloride	4.71	41	132541	20.311	ug/l	99
15) Acrylonitrile	5.43	53	92458	103.751	ug/l	99
16) Acetone	4.17	43	78373	98.904	ug/l	93
17) Carbon Disulfide	4.40	76	286855	20.277	ug/l	99
18) Methyl Acetate	4.72	43	43966	21.873	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	173630	21.254	ug/l	98
20) Methylene Chloride	4.96	84	106282	22.820	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	100651	21.299	ug/l	93
22) Diisopropyl ether	6.37	45	274832	22.655	ug/l	98
23) Vinyl Acetate	6.31	43	716130	106.319	ug/l	100
24) 1,1-Dichloroethane	6.27	63	170505	21.913	ug/l	97
25) 2-Butanone	7.22	43	109403	101.171	ug/l	97
26) 2,2-Dichloropropane	7.21	77	145594	21.412	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	105294	21.799	ug/l	99
28) Bromochloromethane	7.55	49	68908	22.135	ug/l	99
29) Tetrahydrofuran	7.57	42	70097	101.506	ug/l	98
30) Chloroform	7.71	83	175131	22.519	ug/l	92
31) Cyclohexane	7.98	56	157450	20.237	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	155739	21.669	ug/l	99
36) 1,1-Dichloropropene	8.11	75	135564	21.305	ug/l	99
37) Ethyl Acetate	7.30	43	52786	21.463	ug/l	97
38) Carbon Tetrachloride	8.10	117	145231	22.010	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	154453	20.097	ug/l	96
40) Benzene	8.36	78	392718	22.074	ug/l	99
41) Methacrylonitrile	7.54	41	27449	21.104	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	105626	22.736	ug/l	99
43) Isopropyl Acetate	8.46	43	95877	21.113	ug/l	99
44) Trichloroethene	9.11	130	109824	21.859	ug/l	99
45) 1,2-Dichloropropane	9.40	63	98176	22.781	ug/l	92
46) Dibromomethane	9.48	93	49617	22.196	ug/l	94
47) Bromodichloromethane	9.67	83	132149	22.724	ug/l	94
48) Methyl methacrylate	9.46	41	44193	20.688	ug/l	97
49) 1,4-Dioxane	9.47	88	11508	450.066	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	257198	112.548	ug/l	99
52) Toluene	10.41	92	250061	22.311	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	117192	21.564	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	144809	22.013	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	71728	22.655	ug/l	97
56) Ethyl methacrylate	10.67	69	75798	21.236	ug/l	99
57) 1,3-Dichloropropane	10.95	76	119780	22.360	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	112543	102.187	ug/l	99
59) 2-Hexanone	10.99	43	166627	105.332	ug/l	96
60) Dibromochloromethane	11.14	129	92781	22.862	ug/l	100
61) 1,2-Dibromoethane	11.25	107	68957	22.834	ug/l	96
64) Tetrachloroethene	10.88	164	95352	21.519	ug/l	96
65) Chlorobenzene	11.67	112	264207	21.590	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	100908	22.641	ug/l	98
67) Ethyl Benzene	11.75	91	448475	21.210	ug/l	99
68) m/p-Xylenes	11.86	106	361008	44.279	ug/l	100
69) o-Xylene	12.18	106	153184	21.359	ug/l	99
70) Styrene	12.20	104	280673	22.237	ug/l	99
71) Bromoform	12.37	173	54426	21.741	ug/l #	100
73) Isopropylbenzene	12.48	105	423405	20.699	ug/l	100
74) N-amyl acetate	12.30	43	82957	19.809	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	74330	20.672	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	49153m	20.030	ug/l	
77) Bromobenzene	12.77	156	110186	21.681	ug/l	99
78) n-propylbenzene	12.83	91	523941	21.587	ug/l	99
79) 2-Chlorotoluene	12.91	91	287958	21.052	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	359869	21.399	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	23867	20.524	ug/l	99
82) 4-Chlorotoluene	13.01	91	315479	21.948	ug/l	100
83) tert-Butylbenzene	13.23	119	292530	20.561	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	354661	21.395	ug/l	99
85) sec-Butylbenzene	13.41	105	422813	20.820	ug/l	99
86) p-Isopropyltoluene	13.53	119	392285	21.169	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	212314	21.729	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	206842	21.281	ug/l	97
89) n-Butylbenzene	13.86	91	348325	20.332	ug/l	99
90) Hexachloroethane	14.12	117	82073	21.506	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	181376	21.813	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11285	20.608	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	116525	20.676	ug/l	99
94) Hexachlorobutadiene	15.28	225	79602	21.497	ug/l	99
95) Naphthalene	15.41	128	177664	20.536	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	102959	21.142	ug/l	98

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

