

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020720\
 Data File : VD065104.D
 Acq On : 07 Feb 2020 12:29
 Operator : VA/SY
 Sample : VD0207SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0207SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/10/2020 5:40:02 PM

Quant Time: Feb 08 00:17:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	431850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	646912	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	584742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.59	152	282669	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	202240	55.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.20%	
35) Dibromofluoromethane	7.92	113	199009	55.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.28%	
50) Toluene-d8	10.34	98	785477	54.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.34%	
62) 4-Bromofluorobenzene	12.64	95	241582	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	76503	21.288	ug/l	96
3) Chloromethane	2.21	50	98674	23.325	ug/l	95
4) Vinyl Chloride	2.35	62	104662	23.394	ug/l	99
5) Bromomethane	2.76	94	65088	22.437	ug/l	99
6) Chloroethane	2.92	64	66115	23.823	ug/l	100
7) Trichlorofluoromethane	3.27	101	153469	23.571	ug/l	99
8) Diethyl Ether	3.70	74	38029	20.346	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.08	101	85610	21.509	ug/l	99
10) Methyl Iodide	4.29	142	83152	18.303	ug/l	99
11) Tert butyl alcohol	5.25	59	21439	95.601	ug/l	97
12) 1,1-Dichloroethene	4.06	96	80202	21.039	ug/l	96
13) Acrolein	3.93	56	27356	99.178	ug/l	97
14) Allyl chloride	4.71	41	133533	21.077	ug/l	99
15) Acrylonitrile	5.43	53	86442	105.783	ug/l	99
16) Acetone	4.17	43	85790	93.489	ug/l	100
17) Carbon Disulfide	4.40	76	267204	21.831	ug/l	100
18) Methyl Acetate	4.73	43	40951	21.359	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	165264	19.605	ug/l	95
20) Methylene Chloride	4.96	84	96748	21.715	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	90993	21.098	ug/l	95
22) Diisopropyl ether	6.37	45	257497	21.547	ug/l	97
23) Vinyl Acetate	6.31	43	679425	102.003	ug/l	100
24) 1,1-Dichloroethane	6.27	63	157411	21.762	ug/l	99
25) 2-Butanone	7.22	43	109648	100.170	ug/l	94
26) 2,2-Dichloropropane	7.21	77	143700	22.164	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	95137	20.764	ug/l	99
28) Bromochloromethane	7.54	49	56472	20.596	ug/l	96
29) Tetrahydrofuran	7.57	42	68808	103.946	ug/l	95
30) Chloroform	7.71	83	158913	22.064	ug/l	90
31) Cyclohexane	7.98	56	152768	20.923	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	146932	21.901	ug/l	99
36) 1,1-Dichloropropene	8.11	75	128991	21.444	ug/l	98
37) Ethyl Acetate	7.30	43	50855	20.694	ug/l	96
38) Carbon Tetrachloride	8.10	117	133235	21.687	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	148203	19.960	ug/l	99
40) Benzene	8.36	78	356696	21.473	ug/l	96
41) Methacrylonitrile	7.53	41	27850	20.571	ug/l	94
42) 1,2-Dichloroethane	8.43	62	101364	21.416	ug/l	98
43) Isopropyl Acetate	8.46	43	93660	19.924	ug/l	99
44) Trichloroethene	9.11	130	98140	20.583	ug/l	100
45) 1,2-Dichloropropane	9.39	63	86420	21.699	ug/l	94
46) Dibromomethane	9.48	93	44106	21.075	ug/l	98
47) Bromodichloromethane	9.67	83	121634	22.058	ug/l	99
48) Methyl methacrylate	9.46	41	42416	18.751	ug/l	96
49) 1,4-Dioxane	9.47	88	9747	393.217	ug/l #	93
51) 4-Methyl-2-Pentanone	10.24	43	237853	102.794	ug/l	98
52) Toluene	10.41	92	226511	21.365	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	110944	20.664	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	135003	21.024	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	60581	21.104	ug/l	94
56) Ethyl methacrylate	10.67	69	68132	18.758	ug/l	92
57) 1,3-Dichloropropane	10.96	76	105655	20.931	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	115290	85.755	ug/l	100
59) 2-Hexanone	10.99	43	161215	98.363	ug/l	98
60) Dibromochloromethane	11.15	129	81204	21.840	ug/l	99
61) 1,2-Dibromoethane	11.25	107	59173	21.096	ug/l	99
64) Tetrachloroethene	10.88	164	83863	19.959	ug/l	94
65) Chlorobenzene	11.68	112	237233	20.976	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	87176	20.884	ug/l	97
67) Ethyl Benzene	11.75	91	422192	20.547	ug/l	99
68) m/p-Xylenes	11.86	106	326267	41.602	ug/l	100
69) o-Xylene	12.19	106	141877	20.089	ug/l	99
70) Styrene	12.20	104	254483	20.733	ug/l	99
71) Bromoform	12.37	173	45805	20.387	ug/l #	99
73) Isopropylbenzene	12.49	105	390742	20.140	ug/l	100
74) N-amyl acetate	12.30	43	82205	19.494	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	63966	20.949	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	37394m	17.473	ug/l	
77) Bromobenzene	12.77	156	94103	20.131	ug/l	97
78) n-propylbenzene	12.83	91	473654	20.847	ug/l	100
79) 2-Chlorotoluene	12.92	91	259027	20.453	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	328720	20.710	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	21313	19.917	ug/l	93
82) 4-Chlorotoluene	13.01	91	273258	20.544	ug/l	99
83) tert-Butylbenzene	13.24	119	272973	19.934	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	323567	20.534	ug/l	100
85) sec-Butylbenzene	13.41	105	382917	20.474	ug/l	99
86) p-Isopropyltoluene	13.53	119	357543	20.576	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	180237	20.594	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	174775	20.064	ug/l	99
89) n-Butylbenzene	13.86	91	330384	20.599	ug/l	99
90) Hexachloroethane	14.13	117	71030	21.586	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	152087	20.288	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10444	20.953	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	103836	19.380	ug/l	99
94) Hexachlorobutadiene	15.28	225	68316	20.737	ug/l	95
95) Naphthalene	15.42	128	156380	17.560	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	88620	19.337	ug/l	99

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

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