

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021920\
 Data File : VD065234.D
 Acq On : 19 Feb 2020 13:01
 Operator : VA/SY
 Sample : VD0219SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0219SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 5:25:39 PM

Quant Time: Feb 20 04:21:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	489670	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	724806	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	655322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	321395	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	215020	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
35) Dibromofluoromethane	7.92	113	219635	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
50) Toluene-d8	10.34	98	871957	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
62) 4-Bromofluorobenzene	12.64	95	273227	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	68844	16.762	ug/l	96
3) Chloromethane	2.21	50	96982	18.552	ug/l	97
4) Vinyl Chloride	2.35	62	94655	17.807	ug/l	100
5) Bromomethane	2.76	94	56702	17.642	ug/l	89
6) Chloroethane	2.92	64	58204	17.938	ug/l	93
7) Trichlorofluoromethane	3.27	101	141760	18.627	ug/l	98
8) Diethyl Ether	3.70	74	40791	17.757	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.08	101	89747	18.674	ug/l	99
10) Methyl Iodide	4.29	142	78750	15.781	ug/l	99
11) Tert butyl alcohol	5.25	59	21261	80.769	ug/l	100
12) 1,1-Dichloroethene	4.05	96	81968	18.055	ug/l	98
13) Acrolein	3.93	56	43150	118.428	ug/l	96
14) Allyl chloride	4.71	41	133529	18.112	ug/l	100
15) Acrylonitrile	5.43	53	92120	90.575	ug/l	97
16) Acetone	4.16	43	91766	85.219	ug/l	95
17) Carbon Disulfide	4.40	76	278898	18.323	ug/l	99
18) Methyl Acetate	4.73	43	44916	18.546	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	169026	17.853	ug/l	99
20) Methylene Chloride	4.96	84	102517	18.480	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	96364	18.671	ug/l	97
22) Diisopropyl ether	6.37	45	270183	19.010	ug/l	97
23) Vinyl Acetate	6.31	43	709781	90.588	ug/l	98
24) 1,1-Dichloroethane	6.27	63	164785	18.693	ug/l	100
25) 2-Butanone	7.22	43	116185	85.278	ug/l	97
26) 2,2-Dichloropropane	7.21	77	144294	18.865	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	99179	18.142	ug/l	98
28) Bromochloromethane	7.55	49	59220	18.107	ug/l	95
29) Tetrahydrofuran	7.57	42	72930	91.360	ug/l	99
30) Chloroform	7.71	83	167936	18.909	ug/l	99
31) Cyclohexane	7.98	56	156635	18.084	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	151793	19.102	ug/l	98
36) 1,1-Dichloropropene	8.11	75	135447	19.206	ug/l	99
37) Ethyl Acetate	7.30	43	52214	17.710	ug/l	97
38) Carbon Tetrachloride	8.10	117	137131	19.101	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	151816	18.311	ug/l	97
40) Benzene	8.35	78	379117	19.045	ug/l	96
41) Methacrylonitrile	7.53	41	25071	14.728	ug/l #	93
42) 1,2-Dichloroethane	8.43	62	103618	18.934	ug/l	99
43) Isopropyl Acetate	8.46	43	99778	18.611	ug/l	99
44) Trichloroethene	9.11	130	102463	18.569	ug/l	96
45) 1,2-Dichloropropane	9.39	63	92700	18.728	ug/l	98
46) Dibromomethane	9.48	93	48259	18.949	ug/l	97
47) Bromodichloromethane	9.67	83	125513	18.701	ug/l	96
48) Methyl methacrylate	9.46	41	45689	18.437	ug/l	95
49) 1,4-Dioxane	9.47	88	10874	364.046	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	250597	92.028	ug/l	98
52) Toluene	10.41	92	239401	19.430	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	114318	18.376	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	139661	18.591	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	67523	18.837	ug/l	97
56) Ethyl methacrylate	10.67	69	74869	18.096	ug/l	99
57) 1,3-Dichloropropane	10.95	76	114909	18.835	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	118561	90.892	ug/l	100
59) 2-Hexanone	10.99	43	176926	90.765	ug/l	99
60) Dibromochloromethane	11.14	129	86555	18.865	ug/l	99
61) 1,2-Dibromoethane	11.25	107	64675	19.056	ug/l	98
64) Tetrachloroethene	10.88	164	87232	18.769	ug/l	97
65) Chlorobenzene	11.67	112	249009	18.935	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	93087	18.968	ug/l	99
67) Ethyl Benzene	11.75	91	437120	18.979	ug/l	99
68) m/p-Xylenes	11.86	106	339743	38.555	ug/l	99
69) o-Xylene	12.18	106	148623	19.037	ug/l	100
70) Styrene	12.20	104	264846	19.108	ug/l	100
71) Bromoform	12.37	173	49152	18.050	ug/l #	98
73) Isopropylbenzene	12.48	105	406000	19.081	ug/l	99
74) N-amyl acetate	12.30	43	86386	18.271	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	70770	18.429	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	47943m	17.532	ug/l	
77) Bromobenzene	12.77	156	102130	19.329	ug/l	99
78) n-propylbenzene	12.83	91	497696	19.464	ug/l	100
79) 2-Chlorotoluene	12.91	91	274925	19.193	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	338365	19.308	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	22534	17.793	ug/l	100
82) 4-Chlorotoluene	13.01	91	291939	19.197	ug/l	99
83) tert-Butylbenzene	13.23	119	279554	19.033	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	342173	19.507	ug/l	99
85) sec-Butylbenzene	13.41	105	407857	19.270	ug/l	99
86) p-Isopropyltoluene	13.53	119	371588	19.198	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	193877	18.981	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	189588	18.806	ug/l	99
89) n-Butylbenzene	13.86	91	338892	19.001	ug/l	99
90) Hexachloroethane	14.12	117	75432	19.194	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	165270	18.844	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11054	18.679	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	108790	18.963	ug/l	97
94) Hexachlorobutadiene	15.28	225	70692	19.209	ug/l	99
95) Naphthalene	15.41	128	165766	17.774	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	94510	18.863	ug/l	98

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

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