

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022420\
 Data File : VD065286.D
 Acq On : 24 Feb 2020 11:13
 Operator : VA/SY
 Sample : VD0224SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0224SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/25/2020 5:15:22 PM

Quant Time: Feb 25 01:32:10 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	506369	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	750436	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	674800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	331913	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	222892	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
35) Dibromofluoromethane	7.91	113	232977	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
50) Toluene-d8	10.34	98	920636	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
62) 4-Bromofluorobenzene	12.64	95	292701	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	74334	17.502	ug/l	96
3) Chloromethane	2.21	50	103266	19.103	ug/l	99
4) Vinyl Chloride	2.36	62	101916	18.540	ug/l	100
5) Bromomethane	2.76	94	60966	18.343	ug/l	99
6) Chloroethane	2.92	64	64603	19.254	ug/l	93
7) Trichlorofluoromethane	3.27	101	152246	19.345	ug/l	99
8) Diethyl Ether	3.71	74	45899	19.321	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	100579	20.238	ug/l	99
10) Methyl Iodide	4.29	142	91704	17.771	ug/l	100
11) Tert butyl alcohol	5.24	59	31968	117.439	ug/l	95
12) 1,1-Dichloroethene	4.06	96	93816	19.983	ug/l	100
13) Acrolein	3.93	56	41939	109.317	ug/l	98
14) Allyl chloride	4.71	41	149346	19.589	ug/l	98
15) Acrylonitrile	5.43	53	103176	98.100	ug/l	99
16) Acetone	4.17	43	98752	88.682	ug/l	93
17) Carbon Disulfide	4.40	76	308523	19.601	ug/l	100
18) Methyl Acetate	4.72	43	51197	20.442	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	189101	19.315	ug/l	94
20) Methylene Chloride	4.97	84	109995	19.365	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	106735	19.999	ug/l	98
22) Diisopropyl ether	6.37	45	292105	19.875	ug/l	97
23) Vinyl Acetate	6.31	43	768231	94.814	ug/l	99
24) 1,1-Dichloroethane	6.27	63	181794	19.942	ug/l	99
25) 2-Butanone	7.22	43	127914	90.791	ug/l	98
26) 2,2-Dichloropropane	7.21	77	158484	20.037	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	111744	19.766	ug/l	100
28) Bromochloromethane	7.55	49	65841	19.468	ug/l	98
29) Tetrahydrofuran	7.57	42	79654	96.492	ug/l	98
30) Chloroform	7.71	83	181704	19.784	ug/l	99
31) Cyclohexane	7.98	56	176156	19.667	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	161359	19.637	ug/l	99
36) 1,1-Dichloropropene	8.11	75	146824	20.108	ug/l	98
37) Ethyl Acetate	7.30	43	56246	18.426	ug/l	97
38) Carbon Tetrachloride	8.10	117	149622	20.129	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	175625	20.459	ug/l	98
40) Benzene	8.36	78	411590	19.970	ug/l	100
41) Methacrylonitrile	7.53	41	32662	18.532	ug/l	94
42) 1,2-Dichloroethane	8.43	62	111811	19.734	ug/l	100
43) Isopropyl Acetate	8.46	43	106681	19.219	ug/l	98
44) Trichloroethene	9.11	130	116277	20.353	ug/l	100
45) 1,2-Dichloropropane	9.39	63	102859	20.071	ug/l	100
46) Dibromomethane	9.48	93	52366	19.859	ug/l	99
47) Bromodichloromethane	9.67	83	137553	19.795	ug/l	95
48) Methyl methacrylate	9.46	41	49383	19.247	ug/l	95
49) 1,4-Dioxane	9.47	88	12572	406.518	ug/l	93
51) 4-Methyl-2-Pentanone	10.24	43	272066	96.500	ug/l	99
52) Toluene	10.41	92	264844	20.760	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	128672	19.977	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	156174	20.079	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	74699	20.127	ug/l	96
56) Ethyl methacrylate	10.67	69	82940	19.362	ug/l	96
57) 1,3-Dichloropropane	10.95	76	124863	19.767	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	130187	96.397	ug/l	96
59) 2-Hexanone	10.99	43	193641	95.947	ug/l	99
60) Dibromochloromethane	11.14	129	95022	20.004	ug/l	100
61) 1,2-Dibromoethane	11.25	107	71325	20.298	ug/l	98
64) Tetrachloroethene	10.88	164	101968	21.306	ug/l	93
65) Chlorobenzene	11.67	112	274133	20.244	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	101727	20.131	ug/l	100
67) Ethyl Benzene	11.75	91	483115	20.370	ug/l	100
68) m/p-Xylenes	11.86	106	376668	41.512	ug/l	100
69) o-Xylene	12.19	106	164997	20.525	ug/l	99
70) Styrene	12.20	104	290458	20.351	ug/l	99
71) Bromoform	12.37	173	57447	20.487	ug/l #	97
73) Isopropylbenzene	12.48	105	459538	20.913	ug/l	100
74) N-amyl acetate	12.30	43	92591	18.963	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	81087	20.446	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	53899m	19.086	ug/l	
77) Bromobenzene	12.77	156	111514	20.437	ug/l	99
78) n-propylbenzene	12.83	91	552968	20.940	ug/l	100
79) 2-Chlorotoluene	12.91	91	305923	20.680	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	379914	20.991	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	25731	19.673	ug/l	96
82) 4-Chlorotoluene	13.01	91	323381	20.591	ug/l	98
83) tert-Butylbenzene	13.23	119	313339	20.657	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	382650	21.123	ug/l	100
85) sec-Butylbenzene	13.41	105	454458	20.792	ug/l	100
86) p-Isopropyltoluene	13.53	119	423815	21.203	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	214228	20.308	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	213036	20.462	ug/l	99
89) n-Butylbenzene	13.85	91	381216	20.697	ug/l	100
90) Hexachloroethane	14.12	117	82935	20.434	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	185158	20.442	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	12026	19.677	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	123193	20.793	ug/l	98
94) Hexachlorobutadiene	15.28	225	78397	20.628	ug/l	99
95) Naphthalene	15.41	128	194525	20.197	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	105019	20.296	ug/l	96

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

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