

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032420\
 Data File : VD065518.D
 Acq On : 24 Mar 2020 13:45
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 3/25/2020 10:39:59 AM

Quant Time: Mar 25 02:21:55 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	486098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	671735	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	601818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304910	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	187266	44.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.82%	
35) Dibromofluoromethane	7.92	113	204418	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	10.34	98	796646	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.64	95	258684	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	177511	42.490	ug/l	99
3) Chloromethane	2.21	50	218140	43.249	ug/l	100
4) Vinyl Chloride	2.36	62	238561	47.953	ug/l	98
5) Bromomethane	2.77	94	149167	53.883	ug/l	96
6) Chloroethane	2.93	64	148097	48.606	ug/l	98
7) Trichlorofluoromethane	3.27	101	357800	48.810	ug/l	99
8) Diethyl Ether	3.71	74	103001	47.249	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	240515	50.944	ug/l	100
10) Methyl Iodide	4.30	142	276672	56.408	ug/l	96
11) Tert butyl alcohol	5.24	59	49842	208.391	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	223155	49.362	ug/l	97
13) Acrolein	3.93	56	96295	233.450	ug/l	97
14) Allyl chloride	4.71	41	338758	48.779	ug/l	99
15) Acrylonitrile	5.43	53	226774	239.120	ug/l	100
16) Acetone	4.17	43	246797	292.659	ug/l	98
17) Carbon Disulfide	4.40	76	669656	44.481	ug/l	100
18) Methyl Acetate	4.72	43	101509	47.453	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	444531	51.132	ug/l	99
20) Methylene Chloride	4.97	84	242166	53.094	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	252024	50.114	ug/l	97
22) Diisopropyl ether	6.37	45	666070	51.594	ug/l	98
23) Vinyl Acetate	6.31	43	1837513	256.344	ug/l	100
24) 1,1-Dichloroethane	6.27	63	416927	50.350	ug/l	100
25) 2-Butanone	7.22	43	289750	251.782	ug/l	99
26) 2,2-Dichloropropane	7.21	77	380819	52.627	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	268816	52.295	ug/l	97
28) Bromochloromethane	7.55	49	165817	50.051	ug/l	99
29) Tetrahydrofuran	7.57	42	175126	238.295	ug/l	98
30) Chloroform	7.71	83	423533	51.173	ug/l	96
31) Cyclohexane	7.98	56	392975	47.461	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	398406	52.089	ug/l	100
36) 1,1-Dichloropropene	8.11	75	347866	54.025	ug/l	99
37) Ethyl Acetate	7.30	43	124249	49.924	ug/l	99
38) Carbon Tetrachloride	8.10	117	368322	55.162	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	427202	54.932	ug/l	98
40) Benzene	8.36	78	962814	53.480	ug/l	100
41) Methacrylonitrile	7.54	41	72277	54.914	ug/l	86
42) 1,2-Dichloroethane	8.43	62	246830	52.505	ug/l	100
43) Isopropyl Acetate	8.46	43	230018	50.054	ug/l	99
44) Trichloroethene	9.11	130	282119	55.489	ug/l	99
45) 1,2-Dichloropropane	9.39	63	234615	53.799	ug/l	94
46) Dibromomethane	9.48	93	120756	53.383	ug/l	97
47) Bromodichloromethane	9.67	83	318583	54.136	ug/l	98
48) Methyl methacrylate	9.46	41	122596	56.715	ug/l	92
49) 1,4-Dioxane	9.47	88	28291	1093.388	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	609091	263.392	ug/l	100
52) Toluene	10.41	92	629966	55.546	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	298704	54.315	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	365587	54.920	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	172825	53.943	ug/l	98
56) Ethyl methacrylate	10.67	69	197421	54.660	ug/l	98
57) 1,3-Dichloropropane	10.95	76	286805	52.908	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	260409	230.853	ug/l	99
59) 2-Hexanone	10.99	43	450426	281.376	ug/l	100
60) Dibromochloromethane	11.14	129	229772	55.949	ug/l	99
61) 1,2-Dibromoethane	11.25	107	165641	54.202	ug/l	97
64) Tetrachloroethene	10.88	164	246188	57.089	ug/l	97
65) Chlorobenzene	11.67	112	665236	55.858	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	245367	56.570	ug/l	98
67) Ethyl Benzene	11.75	91	1188756	57.769	ug/l	99
68) m/p-Xylenes	11.86	106	923743	116.420	ug/l	100
69) o-Xylene	12.18	106	411250	58.922	ug/l	98
70) Styrene	12.20	104	722673	58.832	ug/l	99
71) Bromoform	12.37	173	136175	55.894	ug/l	99
73) Isopropylbenzene	12.48	105	1145214	57.103	ug/l	100
74) N-amyl acetate	12.30	43	212128	51.665	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	178599	50.662	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	120029m	49.888	ug/l	
77) Bromobenzene	12.77	156	271836	54.555	ug/l	98
78) n-propylbenzene	12.83	91	1369837	57.566	ug/l	99
79) 2-Chlorotoluene	12.91	91	748522	55.814	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	940167	57.022	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	59646	52.316	ug/l	97
82) 4-Chlorotoluene	13.01	91	776604	55.107	ug/l	99
83) tert-Butylbenzene	13.23	119	807304	57.876	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	939024	57.778	ug/l	100
85) sec-Butylbenzene	13.41	105	1149263	57.721	ug/l	99
86) p-Isopropyltoluene	13.53	119	1061966	58.451	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	525805	54.887	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	513086	53.843	ug/l	100
89) n-Butylbenzene	13.86	91	969510	57.720	ug/l	99
90) Hexachloroethane	14.12	117	210352	56.220	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	450730	55.289	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	26875	50.057	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	318367	57.619	ug/l	98
94) Hexachlorobutadiene	15.28	225	209968	57.834	ug/l	99
95) Naphthalene	15.41	128	499112	50.622	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	271523	56.868	ug/l	98

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

