

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013020\
 Data File : VD065022.D
 Acq On : 30 Jan 2020 19:32
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/31/2020 4:25:46 PM

Quant Time: Jan 31 02:52:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	422152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	631541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	581835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	293140	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	209169	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
35) Dibromofluoromethane	7.92	113	204220	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
50) Toluene-d8	10.34	98	765358	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
62) 4-Bromofluorobenzene	12.64	95	246926	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	155235	48.811	ug/l	97
3) Chloromethane	2.21	50	227332	48.772	ug/l	96
4) Vinyl Chloride	2.35	62	256023	47.823	ug/l	99
5) Bromomethane	2.77	94	172787	47.981	ug/l	100
6) Chloroethane	2.93	64	172792	48.958	ug/l	99
7) Trichlorofluoromethane	3.27	101	392286	47.446	ug/l	93
8) Diethyl Ether	3.71	74	96960	51.948	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	189896	49.367	ug/l	98
10) Methyl Iodide	4.30	142	214425	52.516	ug/l	99
11) Tert butyl alcohol	5.24	59	57270	255.933	ug/l	97
12) 1,1-Dichloroethene	4.06	96	180399	49.092	ug/l	96
13) Acrolein	3.92	56	72077	256.941	ug/l	97
14) Allyl chloride	4.71	41	302774	51.660	ug/l	99
15) Acrylonitrile	5.43	53	224149	277.323	ug/l	98
16) Acetone	4.17	43	251587	264.931	ug/l	100
17) Carbon Disulfide	4.40	76	586642	48.507	ug/l	100
18) Methyl Acetate	4.72	43	104502	55.103	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	451554	54.995	ug/l	96
20) Methylene Chloride	4.97	84	221677	57.220	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	218265	51.554	ug/l	99
22) Diisopropyl ether	6.37	45	652044	55.824	ug/l	98
23) Vinyl Acetate	6.31	43	1812000	264.966	ug/l	99
24) 1,1-Dichloroethane	6.27	63	381073	53.137	ug/l	98
25) 2-Butanone	7.22	43	311179	284.444	ug/l	98
26) 2,2-Dichloropropane	7.21	77	323098	49.670	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	242702	53.709	ug/l	99
28) Bromochloromethane	7.55	49	174895	60.980	ug/l	98
29) Tetrahydrofuran	7.57	42	184913	273.948	ug/l	99
30) Chloroform	7.71	83	398185	53.712	ug/l	97
31) Cyclohexane	7.98	56	329134	46.653	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	351628	50.986	ug/l	100
36) 1,1-Dichloropropene	8.11	75	302908	49.740	ug/l	100
37) Ethyl Acetate	7.30	43	131966	52.462	ug/l	99
38) Carbon Tetrachloride	8.10	117	316950	49.241	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	340585	47.837	ug/l	96
40) Benzene	8.36	78	867556	51.726	ug/l	99
41) Methacrylonitrile	7.53	41	70836	52.275	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	263524	52.745	ug/l	99
43) Isopropyl Acetate	8.46	43	253418	53.036	ug/l	99
44) Trichloroethene	9.11	130	236131	50.304	ug/l	100
45) 1,2-Dichloropropane	9.40	63	215179	52.922	ug/l	100
46) Dibromomethane	9.48	93	117487	52.926	ug/l	98
47) Bromodichloromethane	9.67	83	314102	54.378	ug/l	100
48) Methyl methacrylate	9.46	41	117304	53.348	ug/l	93
49) 1,4-Dioxane	9.47	88	25267	981.415	ug/l #	83
51) 4-Methyl-2-Pentanone	10.24	43	659479	275.836	ug/l	100
52) Toluene	10.41	92	556770	51.488	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	295396	53.687	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	351066	54.496	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	159424	53.316	ug/l	98
56) Ethyl methacrylate	10.67	69	202791	56.714	ug/l	99
57) 1,3-Dichloropropane	10.96	76	279422	54.483	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	318538	268.146	ug/l	99
59) 2-Hexanone	10.99	43	484306	293.674	ug/l	98
60) Dibromochloromethane	11.14	129	215824	54.003	ug/l	99
61) 1,2-Dibromoethane	11.25	107	154086	53.517	ug/l	98
64) Tetrachloroethene	10.88	164	239359	56.929	ug/l	97
65) Chlorobenzene	11.68	112	594727	50.343	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	228247	51.374	ug/l	99
67) Ethyl Benzene	11.75	91	1077982	51.399	ug/l	98
68) m/p-Xylenes	11.86	106	834801	103.381	ug/l	100
69) o-Xylene	12.18	106	370272	51.666	ug/l	100
70) Styrene	12.20	104	671176	52.574	ug/l	98
71) Bromoform	12.37	173	125838	50.953	ug/l #	99
73) Isopropylbenzene	12.48	105	995691	49.695	ug/l	99
74) N-amyl acetate	12.30	43	231788	51.699	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	170491	50.629	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	122163m	50.209	ug/l	
77) Bromobenzene	12.77	156	248491	50.689	ug/l	98
78) n-propylbenzene	12.83	91	1188674	49.887	ug/l	100
79) 2-Chlorotoluene	12.91	91	652483	49.917	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	841254	51.236	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.54	75	55511	48.715	ug/l	95
82) 4-Chlorotoluene	13.01	91	699225	50.441	ug/l	99
83) tert-Butylbenzene	13.23	119	711296	51.048	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	840115	50.509	ug/l	100
85) sec-Butylbenzene	13.41	105	966325	48.980	ug/l	99
86) p-Isopropyltoluene	13.53	119	928434	50.290	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	468166	49.773	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	468092	50.141	ug/l	100
89) n-Butylbenzene	13.86	91	838813	49.787	ug/l	99
90) Hexachloroethane	14.13	117	176734	49.642	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	403319	50.507	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	26802	49.735	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	276963	50.135	ug/l	100
94) Hexachlorobutadiene	15.28	225	163514	46.794	ug/l	97
95) Naphthalene	15.41	128	473842	53.147	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	245114	51.173	ug/l	98

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

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