

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030320\
 Data File : VD065402.D
 Acq On : 03 Mar 2020 18:54
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 2:01:36 PM

Quant Time: Mar 04 05:57:09 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	7.99	168	440180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	654558	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	613059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	305367	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	198161	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
35) Dibromofluoromethane	7.92	113	208497	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
50) Toluene-d8	10.34	98	797461	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.64	95	256466	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	172472	46.716	ug/l	99
3) Chloromethane	2.21	50	203981	43.408	ug/l	99
4) Vinyl Chloride	2.35	62	208345	43.601	ug/l	97
5) Bromomethane	2.77	94	133317	46.144	ug/l	97
6) Chloroethane	2.93	64	130242	44.653	ug/l	99
7) Trichlorofluoromethane	3.27	101	324890	47.490	ug/l	98
8) Diethyl Ether	3.71	74	103142	49.946	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	209274	48.440	ug/l	99
10) Methyl Iodide	4.29	142	232330	51.794	ug/l	98
11) Tert butyl alcohol	5.24	59	55925	236.341	ug/l	99
12) 1,1-Dichloroethene	4.06	96	192854	47.255	ug/l	94
13) Acrolein	3.93	56	66424	226.404	ug/l	99
14) Allyl chloride	4.71	41	318353	48.036	ug/l	98
15) Acrylonitrile	5.43	53	234898	256.924	ug/l	98
16) Acetone	4.17	43	190886	197.198	ug/l	100
17) Carbon Disulfide	4.40	76	604124	44.153	ug/l	99
18) Methyl Acetate	4.73	43	110515	50.763	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	446140	52.422	ug/l	98
20) Methylene Chloride	4.96	84	235810	55.201	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	228669	49.287	ug/l	97
22) Diisopropyl ether	6.37	45	665040	52.053	ug/l	99
23) Vinyl Acetate	6.31	43	1866862	265.051	ug/l	100
24) 1,1-Dichloroethane	6.27	63	390075	49.224	ug/l	99
25) 2-Butanone	7.23	43	285681	233.262	ug/l	97
26) 2,2-Dichloropropane	7.21	77	324229	47.156	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	250592	50.991	ug/l	98
28) Bromochloromethane	7.56	49	150114	51.060	ug/l	96
29) Tetrahydrofuran	7.57	42	187922	261.878	ug/l	99
30) Chloroform	7.71	83	401342	50.270	ug/l	99
31) Cyclohexane	7.99	56	347287	44.604	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	347595	48.661	ug/l	98
36) 1,1-Dichloropropene	8.11	75	308402	48.423	ug/l	99
37) Ethyl Acetate	7.30	43	132554	49.786	ug/l	98
38) Carbon Tetrachloride	8.10	117	319045	49.209	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	369538	49.354	ug/l	96
40) Benzene	8.36	78	901601	50.154	ug/l	99
41) Methacrylonitrile	7.53	41	71983	46.824	ug/l	97
42) 1,2-Dichloroethane	8.43	62	244690	49.512	ug/l	99
43) Isopropyl Acetate	8.46	43	247792	51.179	ug/l	98
44) Trichloroethene	9.11	130	252436	50.658	ug/l	97
45) 1,2-Dichloropropane	9.39	63	230167	51.491	ug/l	99
46) Dibromomethane	9.48	93	120965	52.595	ug/l	98
47) Bromodichloromethane	9.67	83	310537	51.234	ug/l	100
48) Methyl methacrylate	9.46	41	112836	50.419	ug/l	91
49) 1,4-Dioxane	9.47	88	27708	1027.178	ug/l	96
51) 4-Methyl-2-Pentanone	10.24	43	645346	262.428	ug/l	98
52) Toluene	10.41	92	581536	52.262	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	293600	52.259	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	358504	52.844	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	172960	53.429	ug/l	97
56) Ethyl methacrylate	10.67	69	206237	55.197	ug/l	99
57) 1,3-Dichloropropane	10.95	76	290685	52.760	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	270850	229.926	ug/l	98
59) 2-Hexanone	10.99	43	442216	251.209	ug/l	97
60) Dibromochloromethane	11.14	129	219761	53.040	ug/l	100
61) 1,2-Dibromoethane	11.25	107	163181	53.240	ug/l	98
64) Tetrachloroethene	10.88	164	218312	50.210	ug/l	97
65) Chlorobenzene	11.68	112	622587	50.606	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	233401	50.839	ug/l	100
67) Ethyl Benzene	11.75	91	1084984	50.355	ug/l	100
68) m/p-Xylenes	11.86	106	846787	102.721	ug/l	99
69) o-Xylene	12.18	106	380563	52.108	ug/l	100
70) Styrene	12.20	104	691114	53.299	ug/l	99
71) Bromoform	12.37	173	131571	51.646	ug/l	# 100
73) Isopropylbenzene	12.48	105	1035048	51.198	ug/l	100
74) N-amyl acetate	12.30	43	226000	50.309	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	182779	50.095	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	125498m	48.303	ug/l	
77) Bromobenzene	12.77	156	259832	51.758	ug/l	97
78) n-propylbenzene	12.83	91	1236077	50.878	ug/l	99
79) 2-Chlorotoluene	12.91	91	687221	50.493	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	857371	51.490	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	58455	48.579	ug/l	95
82) 4-Chlorotoluene	13.01	91	728210	50.398	ug/l	99
83) tert-Butylbenzene	13.23	119	715472	51.267	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	862430	51.747	ug/l	99
85) sec-Butylbenzene	13.41	105	1021865	50.815	ug/l	100
86) p-Isopropyltoluene	13.53	119	935614	50.876	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	487752	50.257	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	477465	49.848	ug/l	100
89) n-Butylbenzene	13.86	91	868167	51.231	ug/l	100
90) Hexachloroethane	14.13	117	184556	49.426	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	421980	50.639	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	27274	48.506	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	288627	52.951	ug/l	99
94) Hexachlorobutadiene	15.28	225	175163	50.095	ug/l	99
95) Naphthalene	15.41	128	489819	55.276	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	255265	53.621	ug/l	98

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

