

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021420\
 Data File : VD065184.D
 Acq On : 14 Feb 2020 10:16
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/17/2020 10:35:07 AM

Quant Time: Feb 15 00:14:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	442014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	645512	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	579843	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287399	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	199436	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
35) Dibromofluoromethane	7.92	113	212307	58.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.90%	
50) Toluene-d8	10.34	98	831144	57.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.96%	
62) 4-Bromofluorobenzene	12.64	95	257932	56.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	171232	46.552	ug/l	99
3) Chloromethane	2.21	50	225537	52.088	ug/l	96
4) Vinyl Chloride	2.36	62	233744	51.045	ug/l	99
5) Bromomethane	2.78	94	144306	48.602	ug/l	98
6) Chloroethane	2.93	64	147414	51.897	ug/l	93
7) Trichlorofluoromethane	3.27	101	327377	49.125	ug/l	99
8) Diethyl Ether	3.71	74	92176	48.181	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	197178	48.400	ug/l	99
10) Methyl Iodide	4.30	142	229552	49.366	ug/l	98
11) Tert butyl alcohol	5.23	59	48134	209.705	ug/l	98
12) 1,1-Dichloroethene	4.07	96	190184	48.744	ug/l	97
13) Acrolein	3.93	56	52374	185.514	ug/l	97
14) Allyl chloride	4.71	41	326118	50.291	ug/l	97
15) Acrylonitrile	5.43	53	196619	235.079	ug/l	99
16) Acetone	4.16	43	245592	261.477	ug/l	99
17) Carbon Disulfide	4.40	76	636520	50.809	ug/l	97
18) Methyl Acetate	4.73	43	92657	47.217	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	404374	46.867	ug/l	96
20) Methylene Chloride	4.96	84	223451	54.375	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	230269	52.164	ug/l	95
22) Diisopropyl ether	6.37	45	652198	53.321	ug/l	99
23) Vinyl Acetate	6.31	43	1706562	250.317	ug/l	99
24) 1,1-Dichloroethane	6.27	63	393732	53.182	ug/l	98
25) 2-Butanone	7.22	43	277007	247.242	ug/l	96
26) 2,2-Dichloropropane	7.21	77	345331	52.039	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	242420	51.692	ug/l	100
28) Bromochloromethane	7.55	49	160249	57.100	ug/l	98
29) Tetrahydrofuran	7.57	42	157276	232.129	ug/l	98
30) Chloroform	7.71	83	395262	53.618	ug/l	94
31) Cyclohexane	7.98	56	342445	45.822	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	354145	51.573	ug/l	99
36) 1,1-Dichloropropene	8.11	75	318078	52.993	ug/l	99
37) Ethyl Acetate	7.30	43	114395	46.651	ug/l	98
38) Carbon Tetrachloride	8.10	117	317607	51.809	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	355636	48.002	ug/l	98
40) Benzene	8.36	78	897118	54.124	ug/l	98
41) Methacrylonitrile	7.53	41	76361m	56.524	ug/l	
42) 1,2-Dichloroethane	8.43	62	236568	50.090	ug/l	98
43) Isopropyl Acetate	8.46	43	210322	44.837	ug/l	96
44) Trichloroethene	9.11	130	246698	51.853	ug/l	99
45) 1,2-Dichloropropane	9.39	63	219908	55.336	ug/l	97
46) Dibromomethane	9.48	93	108124	51.776	ug/l	96
47) Bromodichloromethane	9.67	83	295990	53.793	ug/l	100
48) Methyl methacrylate	9.46	41	102286	45.315	ug/l	96
49) 1,4-Dioxane	9.47	88	24658	996.920	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	560044	242.561	ug/l	99
52) Toluene	10.41	92	577082	54.550	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	273953	51.136	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	339863	53.042	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	150541	52.556	ug/l	98
56) Ethyl methacrylate	10.67	69	180045	49.678	ug/l	97
57) 1,3-Dichloropropane	10.96	76	261603	51.938	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	274626	233.253	ug/l	98
59) 2-Hexanone	10.99	43	435540	266.314	ug/l	99
60) Dibromochloromethane	11.15	129	195573	52.714	ug/l	98
61) 1,2-Dibromoethane	11.25	107	141126	50.423	ug/l	99
64) Tetrachloroethene	10.88	164	206159	49.480	ug/l	97
65) Chlorobenzene	11.68	112	597927	53.315	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	219916	53.130	ug/l	99
67) Ethyl Benzene	11.75	91	1080745	53.041	ug/l	99
68) m/p-Xylenes	11.86	106	840453	108.072	ug/l	99
69) o-Xylene	12.19	106	371594	53.061	ug/l	100
70) Styrene	12.20	104	662128	54.399	ug/l	99
71) Bromoform	12.37	173	111991	50.266	ug/l #	100
73) Isopropylbenzene	12.48	105	1014536	51.431	ug/l	99
74) N-amyl acetate	12.30	43	194404	45.342	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	151099	48.670	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	105154m	48.326	ug/l	
77) Bromobenzene	12.77	156	237829	50.041	ug/l	98
78) n-propylbenzene	12.83	91	1223715	52.973	ug/l	98
79) 2-Chlorotoluene	12.91	91	662438	51.445	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	844657	52.340	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	50582	46.491	ug/l	98
82) 4-Chlorotoluene	13.01	91	707871	52.343	ug/l	100
83) tert-Butylbenzene	13.23	119	719412	51.672	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	835867	52.172	ug/l	100
85) sec-Butylbenzene	13.41	105	992397	52.188	ug/l	100
86) p-Isopropyltoluene	13.53	119	927302	52.485	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	464801	52.234	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	446707	50.438	ug/l	99
89) n-Butylbenzene	13.86	91	850819	52.174	ug/l	99
90) Hexachloroethane	14.13	117	176388	52.723	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	385426	50.569	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	23598	46.563	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	260036	47.734	ug/l	99
94) Hexachlorobutadiene	15.28	225	161940	48.346	ug/l	99
95) Naphthalene	15.42	128	393377	43.446	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	215028	46.147	ug/l	98

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

