

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021720\
 Data File : VD065210.D
 Acq On : 17 Feb 2020 21:30
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/18/2020 10:58:25 AM

Quant Time: Feb 18 04:10:28 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	418096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	626294	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	585122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288732	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	203102	57.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.32%	
35) Dibromofluoromethane	7.91	113	202846	58.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.10%	
50) Toluene-d8	10.34	98	767519	55.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.36%	
62) 4-Bromofluorobenzene	12.64	95	249640	56.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	159181	45.752	ug/l	98
3) Chloromethane	2.21	50	209933	51.258	ug/l	95
4) Vinyl Chloride	2.35	62	207784	47.971	ug/l	98
5) Bromomethane	2.77	94	125767	44.781	ug/l	98
6) Chloroethane	2.92	64	131488	48.938	ug/l	97
7) Trichlorofluoromethane	3.27	101	301723	47.866	ug/l	99
8) Diethyl Ether	3.71	74	96373	53.257	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	189339	49.134	ug/l	99
10) Methyl Iodide	4.30	142	206689	46.992	ug/l	97
11) Tert butyl alcohol	5.24	59	56480	260.142	ug/l	99
12) 1,1-Dichloroethene	4.06	96	182152	49.356	ug/l	92
13) Acrolein	3.93	56	41358	154.875	ug/l	94
14) Allyl chloride	4.71	41	303649	49.505	ug/l	96
15) Acrylonitrile	5.43	53	233282	294.869	ug/l	99
16) Acetone	4.16	43	198142	223.026	ug/l	97
17) Carbon Disulfide	4.40	76	573099	48.364	ug/l	99
18) Methyl Acetate	4.73	43	110131	59.332	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	435873	53.408	ug/l	96
20) Methylene Chloride	4.96	84	221804	57.273	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	215722	51.664	ug/l	95
22) Diisopropyl ether	6.37	45	648174	56.024	ug/l	99
23) Vinyl Acetate	6.31	43	1835702	284.662	ug/l	100
24) 1,1-Dichloroethane	6.27	63	370847	52.956	ug/l	99
25) 2-Butanone	7.22	43	291170	274.751	ug/l	97
26) 2,2-Dichloropropane	7.21	77	298927	47.623	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	233586	52.658	ug/l	98
28) Bromochloromethane	7.55	49	162780	61.319	ug/l	99
29) Tetrahydrofuran	7.57	42	190824	297.755	ug/l	99
30) Chloroform	7.71	83	380078	54.508	ug/l	98
31) Cyclohexane	7.98	56	322674	45.646	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	326451	50.259	ug/l	100
36) 1,1-Dichloropropene	8.11	75	290152	49.823	ug/l	99
37) Ethyl Acetate	7.30	43	132485	55.686	ug/l	99
38) Carbon Tetrachloride	8.10	117	294494	49.513	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	340256	47.335	ug/l	98
40) Benzene	8.36	78	852648	53.020	ug/l	100
41) Methacrylonitrile	7.53	41	75691	57.748	ug/l #	91
42) 1,2-Dichloroethane	8.43	62	243136	53.060	ug/l	98
43) Isopropyl Acetate	8.46	43	245731	53.993	ug/l	98
44) Trichloroethene	9.11	130	227631	49.313	ug/l	97
45) 1,2-Dichloropropane	9.39	63	220392	57.159	ug/l	99
46) Dibromomethane	9.48	93	113922	56.227	ug/l	98
47) Bromodichloromethane	9.67	83	296373	55.515	ug/l	99
48) Methyl methacrylate	9.46	41	120425	54.988	ug/l	95
49) 1,4-Dioxane	9.47	88	27223	1134.395	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	655864	292.778	ug/l	99
52) Toluene	10.41	92	546643	53.258	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	279353	53.744	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	332877	53.546	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	161295	58.039	ug/l	97
56) Ethyl methacrylate	10.67	69	199829	56.829	ug/l	96
57) 1,3-Dichloropropane	10.95	76	276286	56.537	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	300184	265.388	ug/l	100
59) 2-Hexanone	10.99	43	451020	284.242	ug/l	98
60) Dibromochloromethane	11.14	129	206955	57.493	ug/l	100
61) 1,2-Dibromoethane	11.25	107	151861	55.924	ug/l	100
64) Tetrachloroethene	10.88	164	198535	47.221	ug/l	97
65) Chlorobenzene	11.67	112	573744	50.697	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	216594	51.855	ug/l	99
67) Ethyl Benzene	11.75	91	1009630	49.104	ug/l	99
68) m/p-Xylenes	11.86	106	785831	100.136	ug/l	100
69) o-Xylene	12.18	106	357568	50.598	ug/l	98
70) Styrene	12.20	104	636859	51.851	ug/l	99
71) Bromoform	12.37	173	121119	53.873	ug/l	98
73) Isopropylbenzene	12.48	105	943066	47.588	ug/l	100
74) N-amyl acetate	12.30	43	223385	51.860	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	173694	55.690	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	114739m	52.488	ug/l	
77) Bromobenzene	12.77	156	237556	49.753	ug/l	98
78) n-propylbenzene	12.83	91	1143253	49.261	ug/l	99
79) 2-Chlorotoluene	12.91	91	629501	48.661	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	789135	48.674	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	56784	51.950	ug/l	97
82) 4-Chlorotoluene	13.01	91	670175	49.327	ug/l	99
83) tert-Butylbenzene	13.23	119	655839	46.888	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	792209	49.219	ug/l	100
85) sec-Butylbenzene	13.41	105	921505	48.237	ug/l	99
86) p-Isopropyltoluene	13.53	119	865888	48.783	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	446795	49.979	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	439651	49.412	ug/l	99
89) n-Butylbenzene	13.86	91	785302	47.934	ug/l	100
90) Hexachloroethane	14.12	117	170536	50.739	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	390371	50.981	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	25909	50.887	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	259867	47.483	ug/l	99
94) Hexachlorobutadiene	15.28	225	151304	44.963	ug/l	99
95) Naphthalene	15.41	128	458535	50.409	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	228595	48.832	ug/l	99

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

