

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020720\
 Data File : VD065122.D
 Acq On : 07 Feb 2020 21:05
 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
 2/10/2020 5:40:12 PM

Quant Time: Feb 08 01:03:07 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	398249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	607421	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	563933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	280016	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	215654	63.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.42%	
35) Dibromofluoromethane	7.92	113	209961	61.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.90%	
50) Toluene-d8	10.34	98	802792	59.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.02%	
62) 4-Bromofluorobenzene	12.64	95	256609	60.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	165878	50.052	ug/l	98
3) Chloromethane	2.21	50	231218	59.268	ug/l	96
4) Vinyl Chloride	2.35	62	227030	55.027	ug/l	99
5) Bromomethane	2.77	94	142262	53.179	ug/l	99
6) Chloroethane	2.93	64	147482	57.626	ug/l	96
7) Trichlorofluoromethane	3.27	101	325025	54.132	ug/l	99
8) Diethyl Ether	3.71	74	100772	58.463	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	187448	51.068	ug/l	98
10) Methyl Iodide	4.30	142	214671	51.240	ug/l	98
11) Tert butyl alcohol	5.24	59	58277	281.796	ug/l	99
12) 1,1-Dichloroethene	4.06	96	181816	51.720	ug/l	99
13) Acrolein	3.93	56	69620	273.701	ug/l	97
14) Allyl chloride	4.71	41	314478	53.825	ug/l	99
15) Acrylonitrile	5.43	53	235086	311.958	ug/l	100
16) Acetone	4.17	43	187435	221.488	ug/l	98
17) Carbon Disulfide	4.40	76	604300	53.539	ug/l	99
18) Methyl Acetate	4.73	43	108633	61.442	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	457426	58.842	ug/l	96
20) Methylene Chloride	4.96	84	222064	60.416	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	216898	54.534	ug/l	94
22) Diisopropyl ether	6.37	45	667042	60.528	ug/l	96
23) Vinyl Acetate	6.31	43	1949056	317.302	ug/l	99
24) 1,1-Dichloroethane	6.27	63	382711	57.374	ug/l	99
25) 2-Butanone	7.22	43	295695	292.926	ug/l	100
26) 2,2-Dichloropropane	7.21	77	301404	50.411	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	237822	56.285	ug/l	98
28) Bromochloromethane	7.55	49	157348	62.227	ug/l	97
29) Tetrahydrofuran	7.57	42	197817	324.049	ug/l	98
30) Chloroform	7.71	83	389292	58.612	ug/l	99
31) Cyclohexane	7.98	56	329768	48.975	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	333647	53.927	ug/l	99
36) 1,1-Dichloropropene	8.11	75	294089	52.069	ug/l	99
37) Ethyl Acetate	7.30	43	142361	61.696	ug/l	99
38) Carbon Tetrachloride	8.10	117	301962	52.346	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	340691	48.869	ug/l	97
40) Benzene	8.36	78	872175	55.919	ug/l	98
41) Methacrylonitrile	7.53	41	64850	51.014	ug/l	89
42) 1,2-Dichloroethane	8.43	62	258920	58.260	ug/l	99
43) Isopropyl Acetate	8.46	43	261721	59.294	ug/l	99
44) Trichloroethene	9.11	130	230176	51.414	ug/l	97
45) 1,2-Dichloropropane	9.39	63	216879	57.996	ug/l	95
46) Dibromomethane	9.48	93	116114	59.089	ug/l	98
47) Bromodichloromethane	9.67	83	305075	58.921	ug/l	98
48) Methyl methacrylate	9.46	41	125415	59.046	ug/l	98
49) 1,4-Dioxane	9.47	88	28434	1221.672	ug/l	94
51) 4-Methyl-2-Pentanone	10.24	43	689016	317.133	ug/l	100
52) Toluene	10.41	92	555138	55.766	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	290425	57.610	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	342091	56.738	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	161845	60.046	ug/l	96
56) Ethyl methacrylate	10.67	69	208314	61.083	ug/l	100
57) 1,3-Dichloropropane	10.95	76	277896	58.633	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	299918	274.012	ug/l	100
59) 2-Hexanone	10.99	43	462463	300.509	ug/l	99
60) Dibromochloromethane	11.15	129	207734	59.503	ug/l	99
61) 1,2-Dibromoethane	11.26	107	157379	59.756	ug/l	99
64) Tetrachloroethene	10.88	164	192368	47.473	ug/l	99
65) Chlorobenzene	11.68	112	585989	53.724	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	221996	55.145	ug/l	98
67) Ethyl Benzene	11.75	91	1050030	52.988	ug/l	97
68) m/p-Xylenes	11.86	106	805468	106.495	ug/l	98
69) o-Xylene	12.19	106	363101	53.311	ug/l	97
70) Styrene	12.20	104	669783	56.581	ug/l	99
71) Bromoform	12.37	173	123037	56.782	ug/l #	99
73) Isopropylbenzene	12.49	105	964318	50.175	ug/l	100
74) N-amyl acetate	12.30	43	241346	57.774	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	172033	56.874	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	126297m	59.574	ug/l	
77) Bromobenzene	12.77	156	241495	52.152	ug/l	98
78) n-propylbenzene	12.83	91	1144149	50.834	ug/l	100
79) 2-Chlorotoluene	12.92	91	639405	50.965	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	803352	51.093	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	58719	55.393	ug/l	99
82) 4-Chlorotoluene	13.01	91	689586	52.335	ug/l	100
83) tert-Butylbenzene	13.23	119	686046	50.575	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	810610	51.929	ug/l	100
85) sec-Butylbenzene	13.41	105	926190	49.991	ug/l	100
86) p-Isopropyltoluene	13.53	119	887051	51.531	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	456825	52.691	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	449138	52.050	ug/l	99
89) n-Butylbenzene	13.86	91	802150	50.486	ug/l	100
90) Hexachloroethane	14.13	117	168173	51.593	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	398763	53.698	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27408	55.507	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	266194	50.153	ug/l	99
94) Hexachlorobutadiene	15.28	225	151727	46.492	ug/l	99
95) Naphthalene	15.41	128	471019	53.393	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	236762	52.151	ug/l	100

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

