

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022720\
 Data File : VD065349.D
 Acq On : 27 Feb 2020 17:21
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 9:59:12 AM

Quant Time: Feb 28 01:33:07 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	7.98	168	465776	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	690659	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	634044	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316118	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	208478	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
35) Dibromofluoromethane	7.92	113	221104	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
50) Toluene-d8	10.34	98	845082	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
62) 4-Bromofluorobenzene	12.64	95	273696	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	193058	49.418	ug/l	95
3) Chloromethane	2.21	50	223814	45.011	ug/l	96
4) Vinyl Chloride	2.35	62	232263	45.935	ug/l	98
5) Bromomethane	2.77	94	142390	46.576	ug/l	97
6) Chloroethane	2.93	64	144740	46.896	ug/l	100
7) Trichlorofluoromethane	3.27	101	348205	48.101	ug/l	95
8) Diethyl Ether	3.71	74	110326	50.489	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	227656	49.799	ug/l	99
10) Methyl Iodide	4.30	142	250811	52.841	ug/l	99
11) Tert butyl alcohol	5.24	59	64664	258.255	ug/l	96
12) 1,1-Dichloroethene	4.06	96	210230	48.682	ug/l	99
13) Acrolein	3.93	56	69202	222.400	ug/l	99
14) Allyl chloride	4.71	41	348012	49.626	ug/l	98
15) Acrylonitrile	5.43	53	246323	254.615	ug/l	99
16) Acetone	4.17	43	211477	206.464	ug/l	99
17) Carbon Disulfide	4.40	76	674934	46.618	ug/l	99
18) Methyl Acetate	4.72	43	114360	49.642	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	467980	51.966	ug/l	100
20) Methylene Chloride	4.97	84	239807	52.854	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	245997	50.109	ug/l	95
22) Diisopropyl ether	6.37	45	698031	51.633	ug/l	99
23) Vinyl Acetate	6.31	43	1974200	264.888	ug/l	99
24) 1,1-Dichloroethane	6.27	63	414346	49.413	ug/l	99
25) 2-Butanone	7.22	43	310148	239.323	ug/l	100
26) 2,2-Dichloropropane	7.21	77	351279	48.283	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	260141	50.026	ug/l	98
28) Bromochloromethane	7.56	49	154321	49.606	ug/l	100
29) Tetrahydrofuran	7.57	42	198069	260.850	ug/l	99
30) Chloroform	7.71	83	420434	49.767	ug/l	97
31) Cyclohexane	7.98	56	382452	46.421	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	369895	48.937	ug/l	100
36) 1,1-Dichloropropene	8.11	75	337916	50.284	ug/l	99
37) Ethyl Acetate	7.30	43	138384	49.259	ug/l	98
38) Carbon Tetrachloride	8.10	117	339354	49.606	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	405018	51.265	ug/l	99
40) Benzene	8.36	78	948467	50.003	ug/l	99
41) Methacrylonitrile	7.54	41	89424m	55.129	ug/l	
42) 1,2-Dichloroethane	8.43	62	251225	48.177	ug/l	99
43) Isopropyl Acetate	8.46	43	259065	50.711	ug/l	99
44) Trichloroethene	9.11	130	265555	50.506	ug/l	98
45) 1,2-Dichloropropane	9.39	63	238996	50.671	ug/l	99
46) Dibromomethane	9.48	93	124761	51.410	ug/l	99
47) Bromodichloromethane	9.67	83	322712	50.460	ug/l	99
48) Methyl methacrylate	9.46	41	120589	51.067	ug/l	97
49) 1,4-Dioxane	9.47	88	28978	1018.107	ug/l	96
51) 4-Methyl-2-Pentanone	10.24	43	676062	260.548	ug/l	99
52) Toluene	10.41	92	612986	52.209	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	311886	52.612	ug/l	95
54) cis-1,3-Dichloropropene	10.10	75	372608	52.052	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	173509	50.797	ug/l	96
56) Ethyl methacrylate	10.67	69	213937	54.264	ug/l	99
57) 1,3-Dichloropropane	10.95	76	302762	52.079	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	286805	230.744	ug/l	99
59) 2-Hexanone	10.99	43	469248	252.632	ug/l	97
60) Dibromochloromethane	11.15	129	225025	51.471	ug/l	100
61) 1,2-Dibromoethane	11.25	107	167638	51.835	ug/l	99
64) Tetrachloroethene	10.88	164	222237	49.421	ug/l	97
65) Chlorobenzene	11.68	112	638567	50.187	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	235413	49.580	ug/l	100
67) Ethyl Benzene	11.75	91	1142582	51.273	ug/l	99
68) m/p-Xylenes	11.86	106	876334	102.787	ug/l	99
69) o-Xylene	12.18	106	393068	52.039	ug/l	99
70) Styrene	12.20	104	702180	52.360	ug/l	100
71) Bromoform	12.37	173	134413	51.015	ug/l #	98
73) Isopropylbenzene	12.49	105	1082270	51.713	ug/l	100
74) N-amyl acetate	12.30	43	234471	50.419	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	186967	49.500	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	129168m	48.025	ug/l	
77) Bromobenzene	12.77	156	262960	50.599	ug/l	99
78) n-propylbenzene	12.83	91	1288378	51.227	ug/l	99
79) 2-Chlorotoluene	12.91	91	703577	49.937	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	886117	51.407	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	62012	49.782	ug/l	95
82) 4-Chlorotoluene	13.01	91	746751	49.924	ug/l	99
83) tert-Butylbenzene	13.23	119	767317	53.112	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	880289	51.022	ug/l	99
85) sec-Butylbenzene	13.41	105	1060086	50.923	ug/l	100
86) p-Isopropyltoluene	13.53	119	969903	50.947	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	490331	48.805	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	483655	48.777	ug/l	99
89) n-Butylbenzene	13.86	91	906686	51.685	ug/l	99
90) Hexachloroethane	14.13	117	193455	50.047	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	426789	49.474	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27316	46.929	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	294284	52.153	ug/l	99
94) Hexachlorobutadiene	15.28	225	179116	49.484	ug/l	99
95) Naphthalene	15.42	128	501539	54.674	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	253628	51.465	ug/l	98

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

