

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020720\
 Data File : VD065102.D
 Acq On : 07 Feb 2020 11:15
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/10/2020 5:39:59 PM

Quant Time: Feb 08 00:13:14 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	478248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	688118	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	617750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.59	152	300925	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	213149	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
35) Dibromofluoromethane	7.92	113	212797	55.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.86%	
50) Toluene-d8	10.34	98	838825	54.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.78%	
62) 4-Bromofluorobenzene	12.64	95	261700	54.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	205526	51.642	ug/l	100
3) Chloromethane	2.21	50	250533	53.477	ug/l	96
4) Vinyl Chloride	2.35	62	272302	54.959	ug/l	98
5) Bromomethane	2.77	94	163959	51.037	ug/l	99
6) Chloroethane	2.93	64	165897	53.979	ug/l	96
7) Trichlorofluoromethane	3.27	101	388569	53.890	ug/l	98
8) Diethyl Ether	3.71	74	101420	48.997	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	223230	50.643	ug/l	98
10) Methyl Iodide	4.30	142	247027	49.100	ug/l	98
11) Tert butyl alcohol	5.25	59	55508	223.509	ug/l	99
12) 1,1-Dichloroethene	4.06	96	208145	49.305	ug/l	98
13) Acrolein	3.92	56	76715	251.145	ug/l	95
14) Allyl chloride	4.71	41	348025	49.603	ug/l	99
15) Acrylonitrile	5.43	53	228478	252.473	ug/l	100
16) Acetone	4.17	43	256029	251.936	ug/l	100
17) Carbon Disulfide	4.40	76	694245	51.219	ug/l	97
18) Methyl Acetate	4.72	43	105109	49.504	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	456995	48.953	ug/l	98
20) Methylene Chloride	4.96	84	228653	51.193	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	241017	50.462	ug/l	96
22) Diisopropyl ether	6.37	45	680741	51.438	ug/l	98
23) Vinyl Acetate	6.31	43	1967832	266.771	ug/l	98
24) 1,1-Dichloroethane	6.27	63	405452	50.615	ug/l	98
25) 2-Butanone	7.23	43	313214	258.378	ug/l	97
26) 2,2-Dichloropropane	7.21	77	371300	51.713	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	254756	50.207	ug/l	100
28) Bromochloromethane	7.55	49	163708	53.913	ug/l	98
29) Tetrahydrofuran	7.57	42	189779	258.879	ug/l	97
30) Chloroform	7.71	83	410765	51.500	ug/l	94
31) Cyclohexane	7.98	56	391292	48.391	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	383004	51.549	ug/l	100
36) 1,1-Dichloropropene	8.11	75	344798	53.887	ug/l	99
37) Ethyl Acetate	7.30	43	135185	51.716	ug/l	99
38) Carbon Tetrachloride	8.10	117	348170	53.278	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	411089	52.051	ug/l	97
40) Benzene	8.36	78	928164	52.530	ug/l	100
41) Methacrylonitrile	7.53	41	85754	59.547	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	259831	51.609	ug/l	99
43) Isopropyl Acetate	8.46	43	255950	51.186	ug/l	100
44) Trichloroethene	9.12	130	254908	50.261	ug/l	99
45) 1,2-Dichloropropane	9.39	63	224974	53.105	ug/l	98
46) Dibromomethane	9.48	93	117571	52.814	ug/l	97
47) Bromodichloromethane	9.67	83	311951	53.183	ug/l	98
48) Methyl methacrylate	9.46	41	122426	50.880	ug/l	98
49) 1,4-Dioxane	9.47	88	27119	1028.531	ug/l	97
51) 4-Methyl-2-Pentanone	10.24	43	653036	265.324	ug/l	100
52) Toluene	10.41	92	602911	53.463	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	303104	53.074	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	361796	52.969	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	158308	51.846	ug/l	98
56) Ethyl methacrylate	10.67	69	200777	51.968	ug/l	98
57) 1,3-Dichloropropane	10.96	76	280680	52.276	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	312493	250.368	ug/l	98
59) 2-Hexanone	10.99	43	480025	275.342	ug/l	100
60) Dibromochloromethane	11.15	129	209981	53.093	ug/l	99
61) 1,2-Dibromoethane	11.26	107	155646	52.168	ug/l	99
64) Tetrachloroethene	10.88	164	217585	49.018	ug/l	97
65) Chlorobenzene	11.68	112	613990	51.387	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	228784	51.880	ug/l	98
67) Ethyl Benzene	11.76	91	1139485	52.492	ug/l	99
68) m/p-Xylenes	11.86	106	882130	106.470	ug/l	99
69) o-Xylene	12.19	106	385858	51.717	ug/l	98
70) Styrene	12.20	104	696123	53.683	ug/l	99
71) Bromoform	12.37	173	122242	51.501	ug/l #	98
73) Isopropylbenzene	12.49	105	1064224	51.525	ug/l	100
74) N-amyl acetate	12.30	43	230972	51.449	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	170355	52.406	ug/l	99
76) 1,2,3-Trichloropropane	12.80	75	102129m	44.826	ug/l	
77) Bromobenzene	12.77	156	248516	49.940	ug/l	99
78) n-propylbenzene	12.83	91	1274715	52.700	ug/l	99
79) 2-Chlorotoluene	12.92	91	684307	50.754	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	867543	51.342	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	58701	51.528	ug/l	97
82) 4-Chlorotoluene	13.01	91	722875	51.050	ug/l	100
83) tert-Butylbenzene	13.24	119	742296	50.919	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	870163	51.871	ug/l	99
85) sec-Butylbenzene	13.41	105	1030087	51.736	ug/l	100
86) p-Isopropyltoluene	13.53	119	967995	52.326	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	484124	51.960	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	464990	50.143	ug/l	100
89) n-Butylbenzene	13.85	91	893878	52.351	ug/l	99
90) Hexachloroethane	14.13	117	180754	51.600	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	399842	50.102	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	25946	48.895	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	271306	47.565	ug/l	100
94) Hexachlorobutadiene	15.28	225	169070	48.206	ug/l	99
95) Naphthalene	15.42	128	452556	47.735	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	236981	48.572	ug/l	99

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

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