

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022820\
 Data File : VD065367.D
 Acq On : 28 Feb 2020 19:09
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/2/2020 10:35:34 AM

Quant Time: Feb 28 22:18:15 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	396562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	601498	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	570087	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	289072	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	193732	54.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.60%	
35) Dibromofluoromethane	7.92	113	198312	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	
50) Toluene-d8	10.34	98	754478	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
62) 4-Bromofluorobenzene	12.64	95	250455	56.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	169460	50.948	ug/l	97
3) Chloromethane	2.21	50	208180	49.174	ug/l	99
4) Vinyl Chloride	2.35	62	202886	47.129	ug/l	99
5) Bromomethane	2.77	94	131420	50.490	ug/l	98
6) Chloroethane	2.93	64	128776	49.006	ug/l	99
7) Trichlorofluoromethane	3.27	101	316445	51.343	ug/l	96
8) Diethyl Ether	3.71	74	109450	58.831	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	202744	52.090	ug/l	99
10) Methyl Iodide	4.30	142	222183	54.980	ug/l	99
11) Tert butyl alcohol	5.24	59	62425	292.827	ug/l	98
12) 1,1-Dichloroethene	4.06	96	189356	51.501	ug/l	99
13) Acrolein	3.93	56	81083	318.527	ug/l	100
14) Allyl chloride	4.71	41	321709	53.882	ug/l	97
15) Acrylonitrile	5.43	53	252300	306.310	ug/l	100
16) Acetone	4.17	43	215403	247.001	ug/l	96
17) Carbon Disulfide	4.40	76	598197	48.529	ug/l	99
18) Methyl Acetate	4.73	43	115587	58.932	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	462604	60.335	ug/l	99
20) Methylene Chloride	4.96	84	242377	63.694	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	228754	54.729	ug/l	97
22) Diisopropyl ether	6.37	45	689388	59.894	ug/l	99
23) Vinyl Acetate	6.31	43	1973148	310.954	ug/l	100
24) 1,1-Dichloroethane	6.27	63	397254	55.643	ug/l	99
25) 2-Butanone	7.23	43	309830	280.805	ug/l	97
26) 2,2-Dichloropropane	7.21	77	325482	52.546	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	251994	56.917	ug/l	98
28) Bromochloromethane	7.55	49	163394	61.690	ug/l	99
29) Tetrahydrofuran	7.57	42	199486	308.570	ug/l	99
30) Chloroform	7.71	83	403209	56.059	ug/l	98
31) Cyclohexane	7.98	56	344962	49.178	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	346023	53.769	ug/l	99
36) 1,1-Dichloropropene	8.11	75	305118	52.134	ug/l	100
37) Ethyl Acetate	7.30	43	138020	56.412	ug/l	98
38) Carbon Tetrachloride	8.10	117	308380	51.760	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	362010	52.614	ug/l	96
40) Benzene	8.36	78	907456	54.932	ug/l	100
41) Methacrylonitrile	7.53	41	77357m	54.759	ug/l	
42) 1,2-Dichloroethane	8.43	62	254192	55.972	ug/l	100
43) Isopropyl Acetate	8.46	43	258228	58.039	ug/l	99
44) Trichloroethene	9.11	130	248190	54.200	ug/l	99
45) 1,2-Dichloropropane	9.39	63	234349	57.051	ug/l	99
46) Dibromomethane	9.48	93	123746	58.550	ug/l	99
47) Bromodichloromethane	9.67	83	316499	56.824	ug/l	99
48) Methyl methacrylate	9.46	41	122186	59.413	ug/l	96
49) 1,4-Dioxane	9.47	88	30398	1226.308	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	689511	305.121	ug/l	100
52) Toluene	10.41	92	580958	56.816	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	304491	58.979	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	365213	58.582	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	173400	58.290	ug/l	97
56) Ethyl methacrylate	10.67	69	218549	63.651	ug/l	98
57) 1,3-Dichloropropane	10.95	76	299584	59.171	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	283590	261.978	ug/l	98
59) 2-Hexanone	10.99	43	464846	287.359	ug/l	95
60) Dibromochloromethane	11.14	129	225256	59.162	ug/l	99
61) 1,2-Dibromoethane	11.25	107	168792	59.929	ug/l	100
64) Tetrachloroethene	10.88	164	209563	51.830	ug/l	98
65) Chlorobenzene	11.67	112	620375	54.228	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	234387	54.902	ug/l	99
67) Ethyl Benzene	11.75	91	1093188	54.560	ug/l	99
68) m/p-Xylenes	11.86	106	842035	109.844	ug/l	99
69) o-Xylene	12.19	106	383324	56.442	ug/l	99
70) Styrene	12.20	104	687601	57.025	ug/l	100
71) Bromoform	12.37	173	135107	57.032	ug/l #	99
73) Isopropylbenzene	12.48	105	1025843	53.603	ug/l	99
74) N-amyl acetate	12.30	43	235770	55.442	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	188300	54.517	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	131790m	53.584	ug/l	
77) Bromobenzene	12.77	156	259312	54.566	ug/l	99
78) n-propylbenzene	12.83	91	1216676	52.902	ug/l	99
79) 2-Chlorotoluene	12.91	91	688302	53.423	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	856538	54.340	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	61366	53.873	ug/l	96
82) 4-Chlorotoluene	13.01	91	728136	53.234	ug/l	99
83) tert-Butylbenzene	13.23	119	707759	53.574	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	858839	54.436	ug/l	99
85) sec-Butylbenzene	13.41	105	1001230	52.596	ug/l	100
86) p-Isopropyltoluene	13.53	119	932422	53.561	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	487043	53.013	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	482140	53.173	ug/l	99
89) n-Butylbenzene	13.86	91	863056	53.800	ug/l	99
90) Hexachloroethane	14.13	117	184430	52.176	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	430642	54.591	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	28911	54.316	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	298657	57.880	ug/l	98
94) Hexachlorobutadiene	15.28	225	171637	51.854	ug/l	99
95) Naphthalene	15.41	128	516945	61.626	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	259682	57.623	ug/l	97

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

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