

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010220\
 Data File : VD064708.D
 Acq On : 02 Jan 2020 10:26
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 1/3/2020 11:10:13 AM

Quant Time: Jan 03 00:28:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	481151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	686479	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	589888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	291016	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	200217	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	
35) Dibromofluoromethane	7.91	113	202963	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
50) Toluene-d8	10.34	98	782961	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
62) 4-Bromofluorobenzene	12.64	95	250711	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	159878	42.757	ug/l	99
3) Chloromethane	2.21	50	224756	42.978	ug/l	100
4) Vinyl Chloride	2.35	62	277657	43.545	ug/l	98
5) Bromomethane	2.77	94	195631	42.197	ug/l	94
6) Chloroethane	2.93	64	186137	43.567	ug/l	98
7) Trichlorofluoromethane	3.27	101	467055	43.503	ug/l	98
8) Diethyl Ether	3.70	74	93112	43.674	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	201225	45.257	ug/l	99
10) Methyl Iodide	4.29	142	232998	48.785	ug/l	98
11) Tert butyl alcohol	5.25	59	58666	241.272	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	192458	45.465	ug/l	98
13) Acrolein	3.92	56	93221	275.094	ug/l	99
14) Allyl chloride	4.71	41	310995	47.121	ug/l	99
15) Acrylonitrile	5.43	53	190286	214.277	ug/l	99
16) Acetone	4.16	43	246551	279.568	ug/l	96
17) Carbon Disulfide	4.40	76	594556	43.438	ug/l	99
18) Methyl Acetate	4.71	43	97437	40.792	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	428720	45.597	ug/l	98
20) Methylene Chloride	4.96	84	201583	46.073	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	219587	45.549	ug/l	99
22) Diisopropyl ether	6.37	45	602414	45.762	ug/l	99
23) Vinyl Acetate	6.31	43	1707451	228.651	ug/l	100
24) 1,1-Dichloroethane	6.26	63	367755	46.534	ug/l	97
25) 2-Butanone	7.21	43	266542	228.551	ug/l	95
26) 2,2-Dichloropropane	7.21	77	344131	46.835	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	237401	45.629	ug/l	97
28) Bromochloromethane	7.55	49	151906	49.447	ug/l	100
29) Tetrahydrofuran	7.57	42	156165	215.327	ug/l	98
30) Chloroform	7.71	83	379955	45.825	ug/l	99
31) Cyclohexane	7.98	56	335821	42.451	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	359280	46.133	ug/l	98
36) 1,1-Dichloropropene	8.11	75	304911	46.147	ug/l	99
37) Ethyl Acetate	7.30	43	114671	44.177	ug/l	98
38) Carbon Tetrachloride	8.10	117	328105	46.570	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	355019	44.363	ug/l	95
40) Benzene	8.35	78	825616	45.773	ug/l	99
41) Methacrylonitrile	7.53	41	61439	40.795	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	238909	45.835	ug/l	100
43) Isopropyl Acetate	8.46	43	225761	43.697	ug/l	98
44) Trichloroethene	9.11	130	241729	45.619	ug/l	96
45) 1,2-Dichloropropane	9.39	63	200882	46.645	ug/l	94
46) Dibromomethane	9.47	93	104207	43.400	ug/l	96
47) Bromodichloromethane	9.66	83	291535	45.629	ug/l	99
48) Methyl methacrylate	9.46	41	102099	41.970	ug/l	91
49) 1,4-Dioxane	9.47	88	23750	857.824	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	558988	218.893	ug/l	99
52) Toluene	10.40	92	538126	45.473	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	280066	47.016	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	325328	46.317	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	140412	43.392	ug/l	97
56) Ethyl methacrylate	10.66	69	181619	44.942	ug/l	98
57) 1,3-Dichloropropane	10.95	76	250892	45.031	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	325439	211.369	ug/l	99
59) 2-Hexanone	10.98	43	412974	238.266	ug/l	99
60) Dibromochloromethane	11.14	129	199049	44.482	ug/l	100
61) 1,2-Dibromoethane	11.25	107	141045	44.192	ug/l	98
64) Tetrachloroethene	10.87	164	208369	46.043	ug/l	98
65) Chlorobenzene	11.67	112	561203	45.839	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	214965	46.575	ug/l	100
67) Ethyl Benzene	11.75	91	1045238	47.036	ug/l	99
68) m/p-Xylenes	11.86	106	801365	93.430	ug/l	98
69) o-Xylene	12.18	106	364434	47.040	ug/l	100
70) Styrene	12.20	104	633577	46.591	ug/l	99
71) Bromoform	12.37	173	117300	44.566	ug/l #	99
73) Isopropylbenzene	12.48	105	985595	47.392	ug/l	99
74) N-amyl acetate	12.29	43	204760	46.059	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	146084	44.716	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	108675m	47.290	ug/l	
77) Bromobenzene	12.77	156	237441	46.466	ug/l	99
78) n-propylbenzene	12.83	91	1138643	46.931	ug/l	100
79) 2-Chlorotoluene	12.91	91	621862	46.658	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	796831	46.643	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	51409	46.788	ug/l	98
82) 4-Chlorotoluene	13.01	91	658360	46.417	ug/l	100
83) tert-Butylbenzene	13.23	119	701726	47.309	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	791906	46.544	ug/l	99
85) sec-Butylbenzene	13.41	105	957864	47.105	ug/l	99
86) p-Isopropyltoluene	13.53	119	904296	46.508	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	450641	46.260	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	433788	45.329	ug/l	99
89) n-Butylbenzene	13.85	91	825756	47.159	ug/l	99
90) Hexachloroethane	14.12	117	165577	44.580	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	378408	45.555	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	22859	43.162	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	270318	44.197	ug/l	99
94) Hexachlorobutadiene	15.28	225	172777	44.891	ug/l	98
95) Naphthalene	15.41	128	439489	45.421	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	228416	43.746	ug/l	99

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

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