

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011020\
 Data File : VD064831.D
 Acq On : 10 Jan 2020 13:20
 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

MMDadoda
 1/13/2020 12:38:13 PM

Quant Time: Jan 10 22:30:58 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	390156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	556521	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	485616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	242528	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	179719	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
35) Dibromofluoromethane	7.92	113	177121	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
50) Toluene-d8	10.34	98	679492	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.64	95	215233	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	141694	46.731	ug/l	98
3) Chloromethane	2.21	50	207357	48.899	ug/l	95
4) Vinyl Chloride	2.35	62	255676	49.450	ug/l	99
5) Bromomethane	2.77	94	173176	46.065	ug/l	97
6) Chloroethane	2.93	64	172690	49.846	ug/l	99
7) Trichlorofluoromethane	3.27	101	431853	49.605	ug/l	97
8) Diethyl Ether	3.71	74	83941	48.555	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	188530	52.291	ug/l	97
10) Methyl Iodide	4.29	142	209081	53.987	ug/l	100
11) Tert butyl alcohol	5.24	59	50329	255.260	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	172612	50.287	ug/l	96
13) Acrolein	3.92	56	64456	234.570	ug/l	99
14) Allyl chloride	4.71	41	284513	53.162	ug/l	100
15) Acrylonitrile	5.43	53	183360	254.634	ug/l	98
16) Acetone	4.16	43	226726	323.480	ug/l	94
17) Carbon Disulfide	4.40	76	514133	46.322	ug/l	100
18) Methyl Acetate	4.73	43	98148	50.673	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	391986	51.414	ug/l	96
20) Methylene Chloride	4.96	84	191760	54.987	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	202111	51.702	ug/l	96
22) Diisopropyl ether	6.37	45	581777	54.501	ug/l	98
23) Vinyl Acetate	6.31	43	1618879	267.351	ug/l	100
24) 1,1-Dichloroethane	6.26	63	351144	54.795	ug/l	99
25) 2-Butanone	7.22	43	262746	277.841	ug/l	97
26) 2,2-Dichloropropane	7.21	77	329219	55.256	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	223754	53.037	ug/l	97
28) Bromochloromethane	7.55	49	132816	53.317	ug/l	100
29) Tetrahydrofuran	7.57	42	149819	254.756	ug/l	98
30) Chloroform	7.71	83	366954	54.579	ug/l	99
31) Cyclohexane	7.98	56	321756	50.159	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	344523	54.556	ug/l	99
36) 1,1-Dichloropropene	8.11	75	287333	53.642	ug/l	99
37) Ethyl Acetate	7.30	43	107696	51.179	ug/l	98
38) Carbon Tetrachloride	8.10	117	312059	54.636	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	342772	52.834	ug/l	99
40) Benzene	8.35	78	783212	53.562	ug/l	100
41) Methacrylonitrile	7.54	41	56559m	46.325	ug/l	
42) 1,2-Dichloroethane	8.43	62	227777	53.904	ug/l	98
43) Isopropyl Acetate	8.46	43	218443	52.154	ug/l	99
44) Trichloroethene	9.11	130	231613	53.918	ug/l	95
45) 1,2-Dichloropropane	9.39	63	189754	54.350	ug/l	99
46) Dibromomethane	9.48	93	101365	52.074	ug/l	99
47) Bromodichloromethane	9.66	83	281697	54.385	ug/l	98
48) Methyl methacrylate	9.46	41	101134	51.281	ug/l	95
49) 1,4-Dioxane	9.47	88	23551	1049.275	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	540886	261.265	ug/l	100
52) Toluene	10.41	92	515961	53.782	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	262787	54.417	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	308599	54.195	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	135067	51.487	ug/l	95
56) Ethyl methacrylate	10.66	69	174667	53.314	ug/l	100
57) 1,3-Dichloropropane	10.95	76	239876	53.107	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	292431	234.283	ug/l	99
59) 2-Hexanone	10.99	43	404208	287.666	ug/l	99
60) Dibromochloromethane	11.14	129	192233	52.991	ug/l	99
61) 1,2-Dibromoethane	11.25	107	133030	51.414	ug/l	99
64) Tetrachloroethene	10.88	164	201871	54.185	ug/l	98
65) Chlorobenzene	11.67	112	536925	53.272	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	209279	55.079	ug/l	98
67) Ethyl Benzene	11.75	91	999439	54.633	ug/l	98
68) m/p-Xylenes	11.86	106	781957	110.743	ug/l	97
69) o-Xylene	12.18	106	351550	55.120	ug/l	97
70) Styrene	12.20	104	617051	55.119	ug/l	99
71) Bromoform	12.36	173	112934	52.120	ug/l	99
73) Isopropylbenzene	12.48	105	971442	56.050	ug/l	98
74) N-amyl acetate	12.30	43	196765	53.110	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	142363	52.289	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	91503m	47.778	ug/l	
77) Bromobenzene	12.77	156	224517	52.721	ug/l	99
78) n-propylbenzene	12.83	91	1129818	55.878	ug/l	99
79) 2-Chlorotoluene	12.91	91	608155	54.752	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	774352	54.390	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	48733	53.220	ug/l	97
82) 4-Chlorotoluene	13.01	91	652410	55.194	ug/l	99
83) tert-Butylbenzene	13.23	119	685174	55.429	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	790515	55.752	ug/l	97
85) sec-Butylbenzene	13.41	105	946670	55.862	ug/l	100
86) p-Isopropyltoluene	13.53	119	903535	55.759	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	436202	53.730	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	420639	52.743	ug/l	99
89) n-Butylbenzene	13.85	91	822953	56.396	ug/l	99
90) Hexachloroethane	14.12	117	167213	54.021	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	363585	52.522	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	21822	49.442	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	256183	50.260	ug/l	99
94) Hexachlorobutadiene	15.28	225	164682	51.343	ug/l	99
95) Naphthalene	15.41	128	410266	50.878	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	221930	51.001	ug/l	98

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

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