

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102820\
 Data File : VD067443.D
 Acq On : 28 Oct 2020 19:41
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/29/2020 12:00:58 PM

Quant Time: Oct 29 01:27:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	290639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	433875	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	419699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	212530	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	146840	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
35) Dibromofluoromethane	7.91	113	151156	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
50) Toluene-d8	10.34	98	537020	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
62) 4-Bromofluorobenzene	12.64	95	184452	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	94419	39.559	ug/l	96
3) Chloromethane	2.21	50	70169	38.362	ug/l	96
4) Vinyl Chloride	2.35	62	80334	40.028	ug/l	90
5) Bromomethane	2.77	94	68163	48.748	ug/l	95
6) Chloroethane	2.92	64	54203	43.366	ug/l	100
7) Trichlorofluoromethane	3.27	101	227371	44.991	ug/l	93
8) Diethyl Ether	3.70	74	56862	49.171	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	127409	47.452	ug/l	98
10) Methyl Iodide	4.30	142	111792	45.135	ug/l	97
11) Tert butyl alcohol	5.21	59	38090	251.970	ug/l	98
12) 1,1-Dichloroethene	4.07	96	110104	45.902	ug/l	97
13) Acrolein	3.92	56	34088	200.571	ug/l	96
14) Allyl chloride	4.71	41	132459	48.220	ug/l	99
15) Acrylonitrile	5.43	53	101464	262.954	ug/l	99
16) Acetone	4.16	43	94126	230.818	ug/l	99
17) Carbon Disulfide	4.41	76	275386	40.272	ug/l	96
18) Methyl Acetate	4.72	43	51122	54.963	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	250331	52.485	ug/l	95
20) Methylene Chloride	4.97	84	140371	54.107	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	133471	48.353	ug/l	97
22) Diisopropyl ether	6.37	45	266357	53.080	ug/l	96
23) Vinyl Acetate	6.31	43	771962	270.402	ug/l	100
24) 1,1-Dichloroethane	6.27	63	216004	50.286	ug/l	97
25) 2-Butanone	7.22	43	116506	250.635	ug/l	93
26) 2,2-Dichloropropane	7.21	77	205909	46.507	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	156333	51.675	ug/l	98
28) Bromochloromethane	7.56	49	77707	53.037	ug/l	98
29) Tetrahydrofuran	7.56	42	66643	257.910	ug/l	90
30) Chloroform	7.71	83	262422	51.141	ug/l	92
31) Cyclohexane	7.99	56	144872	43.197	ug/l	90
32) 1,1,1-Trichloroethane	7.91	97	249379	49.532	ug/l	98
36) 1,1-Dichloropropene	8.11	75	174105	47.345	ug/l	99
37) Ethyl Acetate	7.29	43	56152	51.899	ug/l	96
38) Carbon Tetrachloride	8.10	117	231877	49.335	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	181507	47.213	ug/l	99
40) Benzene	8.36	78	510072	50.560	ug/l	98
41) Methacrylonitrile	7.52	41	31298m	53.531	ug/l	
42) 1,2-Dichloroethane	8.43	62	162070	51.334	ug/l	100
43) Isopropyl Acetate	8.46	43	113410	52.826	ug/l	99
44) Trichloroethene	9.11	130	159527	49.388	ug/l	89
45) 1,2-Dichloropropane	9.39	63	119021	50.905	ug/l	95
46) Dibromomethane	9.48	93	76944	52.819	ug/l	95
47) Bromodichloromethane	9.67	83	208783	53.494	ug/l	98
48) Methyl methacrylate	9.46	41	59388	56.923	ug/l	90
49) 1,4-Dioxane	9.47	88	16393	1167.940	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	289723	270.568	ug/l	100
52) Toluene	10.41	92	360830	52.513	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	182994	53.373	ug/l	93
54) cis-1,3-Dichloropropene	10.10	75	210775	52.530	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	105726	53.223	ug/l	96
56) Ethyl methacrylate	10.67	69	114990	55.815	ug/l	99
57) 1,3-Dichloropropane	10.95	76	169573	53.640	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	298775	282.697	ug/l	99
59) 2-Hexanone	10.99	43	193160	263.986	ug/l	97
60) Dibromochloromethane	11.14	129	150805	52.056	ug/l	97
61) 1,2-Dibromoethane	11.25	107	102733	52.458	ug/l	99
64) Tetrachloroethene	10.88	164	141246	46.449	ug/l	97
65) Chlorobenzene	11.67	112	397944	49.445	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	164088	51.298	ug/l	98
67) Ethyl Benzene	11.75	91	693032	50.234	ug/l	99
68) m/p-Xylenes	11.86	106	528801	99.536	ug/l	99
69) o-Xylene	12.18	106	243032	49.401	ug/l	98
70) Styrene	12.20	104	432565	51.078	ug/l	98
71) Bromoform	12.37	173	88714	51.625	ug/l #	100
73) Isopropylbenzene	12.48	105	695779	51.583	ug/l	100
74) N-amyl acetate	12.29	43	99617	48.899	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	107512	52.020	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	76925m	52.222	ug/l	
77) Bromobenzene	12.77	156	169901	50.523	ug/l	99
78) n-propylbenzene	12.83	91	776484	49.685	ug/l	99
79) 2-Chlorotoluene	12.91	91	460378	50.797	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	604677	51.587	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	32973	50.761	ug/l	95
82) 4-Chlorotoluene	13.01	91	487186	50.647	ug/l	100
83) tert-Butylbenzene	13.23	119	516077	52.122	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	596529	51.491	ug/l	98
85) sec-Butylbenzene	13.41	105	674138	49.620	ug/l	100
86) p-Isopropyltoluene	13.52	119	656705	51.211	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	322723	49.859	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	319953	49.893	ug/l	99
89) n-Butylbenzene	13.85	91	565762	50.150	ug/l	100
90) Hexachloroethane	14.12	117	108645	48.551	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	283868	50.202	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	19376	51.605	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	201708	52.909	ug/l	98
94) Hexachlorobutadiene	15.27	225	121182	51.187	ug/l	97
95) Naphthalene	15.41	128	339439	54.230	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	173828	52.778	ug/l	99

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

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