

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120820\
 Data File : VD067904.D
 Acq On : 08 Dec 2020 09:48
 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
 12/9/2020 9:28:56 AM

Quant Time: Dec 09 04:30:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	212527	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	293411	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	266971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	140104	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	113142	49.59	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.18%
35) Dibromofluoromethane	7.92	113	101260	51.58	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.16%
50) Toluene-d8	10.34	98	365590	51.73	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.46%
62) 4-Bromofluorobenzene	12.64	95	130633	53.46	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.92%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	94703	51.203	ug/l	94
3) Chloromethane	2.21	50	51010	47.788	ug/l	99
4) Vinyl Chloride	2.36	62	68914	51.263	ug/l	95
5) Bromomethane	2.77	94	66153	55.123	ug/l	97
6) Chloroethane	2.93	64	43824	50.069	ug/l	98
7) Trichlorofluoromethane	3.28	101	206808	50.273	ug/l	99
8) Diethyl Ether	3.71	74	35847	44.709	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	92947	49.550	ug/l	98
10) Methyl Iodide	4.30	142	94127	47.341	ug/l	99
11) Tert butyl alcohol	5.21	59	27516	229.961	ug/l #	82
12) 1,1-Dichloroethene	4.07	96	85479	48.537	ug/l	95
13) Acrolein	3.93	56	17066	194.645	ug/l	96
14) Allyl chloride	4.71	41	79418	48.747	ug/l	94
15) Acrylonitrile	5.42	53	67154	241.550	ug/l	99
16) Acetone	4.15	43	74077	262.748	ug/l	91
17) Carbon Disulfide	4.41	76	230126	46.802	ug/l	96
18) Methyl Acetate	4.72	43	24298	45.863	ug/l	93
19) Methyl tert-butyl Ether	5.47	73	189643	50.289	ug/l	99
20) Methylene Chloride	4.97	84	92252	50.560	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	99413	49.607	ug/l	97
22) Diisopropyl ether	6.36	45	161609	49.320	ug/l	96
23) Vinyl Acetate	6.31	43	471329	258.559	ug/l	97
24) 1,1-Dichloroethane	6.27	63	140873	49.044	ug/l	100
25) 2-Butanone	7.21	43	69250	233.529	ug/l	99
26) 2,2-Dichloropropane	7.21	77	176523	51.536	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	107234	48.922	ug/l	97
28) Bromochloromethane	7.55	49	44749	49.068	ug/l #	99
29) Tetrahydrofuran	7.56	42	38662	228.981	ug/l	96
30) Chloroform	7.71	83	187431	48.828	ug/l	98
31) Cyclohexane	7.98	56	106655	44.370	ug/l #	91
32) 1,1,1-Trichloroethane	7.90	97	203894	50.318	ug/l	99
36) 1,1-Dichloropropene	8.11	75	132755	52.265	ug/l	99
37) Ethyl Acetate	7.29	43	33119	48.379	ug/l #	82
38) Carbon Tetrachloride	8.10	117	204456	53.200	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	151754	50.415	ug/l	98
40) Benzene	8.36	78	352231	50.679	ug/l	100
41) Methacrylonitrile	7.53	41	16089m	49.440	ug/l	
42) 1,2-Dichloroethane	8.43	62	129289	52.193	ug/l	99
43) Isopropyl Acetate	8.46	43	67408	50.044	ug/l	100
44) Trichloroethene	9.11	130	119417	49.974	ug/l	99
45) 1,2-Dichloropropane	9.39	63	70804	49.635	ug/l	94
46) Dibromomethane	9.48	93	49994	50.407	ug/l	98
47) Bromodichloromethane	9.67	83	146200	51.706	ug/l	98
48) Methyl methacrylate	9.46	41	33997	49.705	ug/l	98
49) 1,4-Dioxane	9.47	88	10644	939.207	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	157502	247.057	ug/l	99
52) Toluene	10.41	92	246459	50.719	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	127092	52.077	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	139319	52.482	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	63686	46.921	ug/l	98
56) Ethyl methacrylate	10.67	69	69205	50.113	ug/l	97
57) 1,3-Dichloropropane	10.96	76	106017	49.309	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	172449	274.426	ug/l	99
59) 2-Hexanone	10.99	43	119376	265.627	ug/l	98
60) Dibromochloromethane	11.14	129	105018	51.328	ug/l	98
61) 1,2-Dibromoethane	11.25	107	63966	47.923	ug/l	97
64) Tetrachloroethene	10.88	164	107716	49.465	ug/l	96
65) Chlorobenzene	11.67	112	280978	51.007	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	117263	52.192	ug/l	95
67) Ethyl Benzene	11.75	91	493345	52.573	ug/l	99
68) m/p-Xylenes	11.86	106	382302	103.320	ug/l	100
69) o-Xylene	12.18	106	176699	53.791	ug/l	98
70) Styrene	12.20	104	301064	52.707	ug/l	99
71) Bromoform	12.37	173	62251	52.342	ug/l #	97
73) Isopropylbenzene	12.48	105	495351	51.412	ug/l	99
74) N-amyl acetate	12.29	43	58138	48.782	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	59919	47.105	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	51015m	50.001	ug/l	
77) Bromobenzene	12.77	156	124030	51.780	ug/l	98
78) n-propylbenzene	12.83	91	544665	51.004	ug/l	99
79) 2-Chlorotoluene	12.91	91	321480	51.172	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	431867	51.771	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	19632	46.028	ug/l	91
82) 4-Chlorotoluene	13.01	91	331791	49.510	ug/l	100
83) tert-Butylbenzene	13.23	119	367482	51.768	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	426169	51.375	ug/l	99
85) sec-Butylbenzene	13.41	105	480703	50.736	ug/l	99
86) p-Isopropyltoluene	13.52	119	471024	50.726	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	224141	48.509	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	227635	49.244	ug/l	99
89) n-Butylbenzene	13.85	91	389108	50.438	ug/l	98
90) Hexachloroethane	14.12	117	84868	49.504	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	196057	48.924	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12488	47.040	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	141004	50.302	ug/l	99
94) Hexachlorobutadiene	15.27	225	93862	51.314	ug/l	98
95) Naphthalene	15.41	128	227393	49.852	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	121687	50.268	ug/l	100

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

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