

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102220\
 Data File : VD067369.D
 Acq On : 22 Oct 2020 18:23
 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
 10/23/2020 2:12:03 PM

Quant Time: Oct 23 06:27:26 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	7.98	168	295617	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	442405	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	414654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	212082	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	149890	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
35) Dibromofluoromethane	7.92	113	155546	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	
50) Toluene-d8	10.34	98	542563	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
62) 4-Bromofluorobenzene	12.64	95	192562	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	99629	41.218	ug/l	92
3) Chloromethane	2.21	50	76997	41.386	ug/l	96
4) Vinyl Chloride	2.35	62	84941	41.611	ug/l	98
5) Bromomethane	2.77	94	70694	49.755	ug/l	100
6) Chloroethane	2.93	64	56422	44.382	ug/l #	87
7) Trichlorofluoromethane	3.27	101	235185	45.754	ug/l	97
8) Diethyl Ether	3.71	74	57799	49.140	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	121182	44.373	ug/l	96
10) Methyl Iodide	4.30	142	111195	44.138	ug/l	96
11) Tert butyl alcohol	5.21	59	35133	223.299	ug/l #	93
12) 1,1-Dichloroethene	4.07	96	110142	45.144	ug/l	91
13) Acrolein	3.92	56	42980	243.441	ug/l	99
14) Allyl chloride	4.71	41	130598	46.742	ug/l	98
15) Acrylonitrile	5.42	53	104613	266.549	ug/l	98
16) Acetone	4.16	43	99321	239.456	ug/l	94
17) Carbon Disulfide	4.41	76	292381	42.037	ug/l	98
18) Methyl Acetate	4.72	43	47829	50.556	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	253418	52.237	ug/l	100
20) Methylene Chloride	4.96	84	138773	52.452	ug/l #	95
21) trans-1,2-Dichloroethene	5.47	96	133711	47.624	ug/l	99
22) Diisopropyl ether	6.37	45	258144	50.577	ug/l	96
23) Vinyl Acetate	6.31	43	781658	269.188	ug/l	99
24) 1,1-Dichloroethane	6.26	63	212458	48.628	ug/l	97
25) 2-Butanone	7.21	43	123719	261.670	ug/l	94
26) 2,2-Dichloropropane	7.21	77	208809	46.368	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	153015	49.727	ug/l	99
28) Bromochloromethane	7.55	49	79126	53.096	ug/l #	99
29) Tetrahydrofuran	7.56	42	67147	255.484	ug/l	92
30) Chloroform	7.71	83	261669	50.135	ug/l	94
31) Cyclohexane	7.99	56	146005	42.802	ug/l	92
32) 1,1,1-Trichloroethane	7.91	97	247532	48.337	ug/l	98
36) 1,1-Dichloropropene	8.11	75	179269	47.809	ug/l	99
37) Ethyl Acetate	7.29	43	60285	54.645	ug/l #	90
38) Carbon Tetrachloride	8.10	117	233496	48.722	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	186291	47.523	ug/l	95
40) Benzene	8.36	78	509187	49.499	ug/l	97
41) Methacrylonitrile	7.53	41	31385m	52.645	ug/l	
42) 1,2-Dichloroethane	8.43	62	160981	50.006	ug/l	100
43) Isopropyl Acetate	8.46	43	114222	52.178	ug/l	99
44) Trichloroethene	9.11	130	161050	48.898	ug/l	100
45) 1,2-Dichloropropane	9.39	63	114201	47.902	ug/l	98
46) Dibromomethane	9.48	93	76304	51.370	ug/l	96
47) Bromodichloromethane	9.67	83	205682	51.683	ug/l	99
48) Methyl methacrylate	9.46	41	56647	53.249	ug/l	97
49) 1,4-Dioxane	9.47	88	15257	1063.313	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	293540	268.847	ug/l	99
52) Toluene	10.41	92	347173	49.551	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	179803	51.432	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	204545	49.994	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	103369	51.033	ug/l	97
56) Ethyl methacrylate	10.67	69	116522	55.468	ug/l	97
57) 1,3-Dichloropropane	10.95	76	165191	51.246	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	294222	273.021	ug/l	99
59) 2-Hexanone	10.99	43	199184	266.970	ug/l	98
60) Dibromochloromethane	11.14	129	150695	51.015	ug/l	99
61) 1,2-Dibromoethane	11.25	107	103203	51.682	ug/l	99
64) Tetrachloroethene	10.88	164	140428	46.742	ug/l	93
65) Chlorobenzene	11.67	112	390953	49.168	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	158583	50.180	ug/l	99
67) Ethyl Benzene	11.75	91	669401	49.111	ug/l	100
68) m/p-Xylenes	11.86	106	526436	100.296	ug/l	97
69) o-Xylene	12.18	106	242186	49.828	ug/l	96
70) Styrene	12.20	104	424271	50.708	ug/l	100
71) Bromoform	12.37	173	89151	52.511	ug/l #	99
73) Isopropylbenzene	12.48	105	674940	50.144	ug/l	99
74) N-amyl acetate	12.29	43	105130	51.714	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	103257	50.066	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	76723m	52.195	ug/l	
77) Bromobenzene	12.77	156	164346	48.975	ug/l	97
78) n-propylbenzene	12.83	91	759093	48.675	ug/l	99
79) 2-Chlorotoluene	12.91	91	447569	49.488	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	584495	49.971	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	33232	51.268	ug/l	93
82) 4-Chlorotoluene	13.01	91	475636	49.551	ug/l	98
83) tert-Butylbenzene	13.23	119	500103	50.616	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	590110	51.044	ug/l	100
85) sec-Butylbenzene	13.41	105	655998	48.387	ug/l	100
86) p-Isopropyltoluene	13.52	119	638782	49.919	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	318737	49.347	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	318725	49.806	ug/l	100
89) n-Butylbenzene	13.85	91	559505	49.700	ug/l	99
90) Hexachloroethane	14.12	117	107861	48.302	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	277771	49.228	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	19251	51.380	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	192340	50.558	ug/l	98
94) Hexachlorobutadiene	15.27	225	116643	49.374	ug/l	98
95) Naphthalene	15.41	128	338834	54.247	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	173491	52.787	ug/l	99

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

