

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102320\
 Data File : VD067371.D
 Acq On : 23 Oct 2020 09:58
 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
 10/26/2020 1:37:37 PM

Quant Time: Oct 24 07:25:06 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	322519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	463199	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	423239	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	214826	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	153621	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	
35) Dibromofluoromethane	7.92	113	157280	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
50) Toluene-d8	10.34	98	582842	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.64	95	199473	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	113645	43.313	ug/l	97
3) Chloromethane	2.21	50	82730	40.758	ug/l	98
4) Vinyl Chloride	2.36	62	94595	42.475	ug/l	91
5) Bromomethane	2.77	94	75484	48.642	ug/l	93
6) Chloroethane	2.93	64	62156	44.814	ug/l	96
7) Trichlorofluoromethane	3.28	101	262357	46.783	ug/l	98
8) Diethyl Ether	3.71	74	55724	43.424	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	141072	47.347	ug/l	99
10) Methyl Iodide	4.30	142	128514	46.758	ug/l	99
11) Tert butyl alcohol	5.21	59	33286	186.574	ug/l	99
12) 1,1-Dichloroethene	4.07	96	122745	46.113	ug/l	93
13) Acrolein	3.92	56	40094	211.292	ug/l	99
14) Allyl chloride	4.71	41	135435	44.430	ug/l	98
15) Acrylonitrile	5.42	53	97819	228.449	ug/l	97
16) Acetone	4.16	43	122959	271.718	ug/l	90
17) Carbon Disulfide	4.41	76	319481	42.102	ug/l	99
18) Methyl Acetate	4.71	43	46883	45.423	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	245833	46.447	ug/l	97
20) Methylene Chloride	4.97	84	132531	45.300	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	142035	46.369	ug/l	98
22) Diisopropyl ether	6.36	45	269587	48.413	ug/l	95
23) Vinyl Acetate	6.31	43	769116	242.776	ug/l	97
24) 1,1-Dichloroethane	6.27	63	218511	45.842	ug/l	98
25) 2-Butanone	7.21	43	120218	233.057	ug/l	97
26) 2,2-Dichloropropane	7.21	77	237762	48.393	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	157280	46.850	ug/l	99
28) Bromochloromethane	7.54	49	77311	47.551	ug/l #	99
29) Tetrahydrofuran	7.56	42	66393	231.544	ug/l	96
30) Chloroform	7.71	83	272423	47.842	ug/l	91
31) Cyclohexane	7.98	56	167778	45.082	ug/l	87
32) 1,1,1-Trichloroethane	7.91	97	269351	48.210	ug/l	98
36) 1,1-Dichloropropene	8.11	75	195852	49.887	ug/l	99
37) Ethyl Acetate	7.28	43	58455	50.607	ug/l #	92
38) Carbon Tetrachloride	8.10	117	258422	51.502	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	210049	51.178	ug/l	100
40) Benzene	8.36	78	535680	49.737	ug/l	100
41) Methacrylonitrile	7.53	41	32197	51.582	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	169590	50.315	ug/l	100
43) Isopropyl Acetate	8.46	43	110757	48.324	ug/l	100
44) Trichloroethene	9.11	130	169945	49.282	ug/l	99
45) 1,2-Dichloropropane	9.39	63	124094	49.715	ug/l	99
46) Dibromomethane	9.48	93	75935	48.826	ug/l	95
47) Bromodichloromethane	9.67	83	207132	49.711	ug/l	94
48) Methyl methacrylate	9.46	41	53094	47.668	ug/l	98
49) 1,4-Dioxane	9.46	88	15907	1058.714	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	279270	244.295	ug/l	99
52) Toluene	10.41	92	371139	50.594	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	181753	49.656	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	211540	49.383	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	104286	49.175	ug/l	98
56) Ethyl methacrylate	10.66	69	110449	50.217	ug/l	96
57) 1,3-Dichloropropane	10.95	76	167626	49.667	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	292992	259.675	ug/l	99
59) 2-Hexanone	10.99	43	204938	262.351	ug/l	99
60) Dibromochloromethane	11.14	129	152686	49.368	ug/l	99
61) 1,2-Dibromoethane	11.25	107	100873	48.248	ug/l	97
64) Tetrachloroethene	10.88	164	151719	49.476	ug/l	93
65) Chlorobenzene	11.67	112	406257	50.056	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	165013	51.156	ug/l	99
67) Ethyl Benzene	11.75	91	721339	51.848	ug/l	98
68) m/p-Xylenes	11.86	106	556396	103.854	ug/l	100
69) o-Xylene	12.18	106	255108	51.422	ug/l	96
70) Styrene	12.20	104	440857	51.622	ug/l	99
71) Bromoform	12.37	173	85619	49.407	ug/l	97
73) Isopropylbenzene	12.48	105	720226	52.825	ug/l	99
74) N-amyl acetate	12.29	43	96876	47.045	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	99486	47.622	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	78240m	52.547	ug/l	
77) Bromobenzene	12.77	156	173518	51.047	ug/l	98
78) n-propylbenzene	12.83	91	829951	52.538	ug/l	99
79) 2-Chlorotoluene	12.91	91	466086	50.877	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	629272	53.112	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	31900	48.584	ug/l	99
82) 4-Chlorotoluene	13.01	91	505037	51.942	ug/l	99
83) tert-Butylbenzene	13.23	119	538042	53.760	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	621958	53.112	ug/l	99
85) sec-Butylbenzene	13.41	105	724611	52.765	ug/l	100
86) p-Isopropyltoluene	13.52	119	690471	53.269	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	330809	50.562	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	326058	50.301	ug/l	99
89) n-Butylbenzene	13.85	91	605890	53.133	ug/l	99
90) Hexachloroethane	14.11	117	117041	51.744	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	284959	49.857	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	19031	50.144	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	203322	52.762	ug/l	99
94) Hexachlorobutadiene	15.27	225	129913	54.288	ug/l	99
95) Naphthalene	15.41	128	319768	50.541	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	173750	52.191	ug/l	98

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

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