

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102620\
 Data File : VD067384.D
 Acq On : 26 Oct 2020 11:20
 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
 10/27/2020 11:45:38 AM

Quant Time: Oct 27 01:04:51 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	324181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	458621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	414856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	206220	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	141982	43.72	ug/l	0.00
Spiked Amount						
			Recovery	=	87.44%	
35) Dibromofluoromethane	7.91	113	150905	49.44	ug/l	0.00
Spiked Amount						
			Recovery	=	98.88%	
50) Toluene-d8	10.34	98	547566	49.57	ug/l	0.00
Spiked Amount						
			Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.64	95	188160	48.99	ug/l	0.00
Spiked Amount						
			Recovery	=	97.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	120707	46.041	ug/l	96
3) Chloromethane	2.21	50	82547	40.460	ug/l	99
4) Vinyl Chloride	2.35	62	98199	43.867	ug/l	99
5) Bromomethane	2.77	94	77209	49.542	ug/l	96
6) Chloroethane	2.92	64	63019	45.203	ug/l	99
7) Trichlorofluoromethane	3.27	101	282693	50.150	ug/l	100
8) Diethyl Ether	3.71	74	57646	44.691	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	149821	50.026	ug/l	99
10) Methyl Iodide	4.30	142	147192	53.279	ug/l	99
11) Tert butyl alcohol	5.21	59	33750	188.693	ug/l	99
12) 1,1-Dichloroethene	4.07	96	132023	49.345	ug/l	93
13) Acrolein	3.92	56	38956	204.965	ug/l	96
14) Allyl chloride	4.71	41	144221	47.070	ug/l	96
15) Acrylonitrile	5.42	53	96043	223.151	ug/l	98
16) Acetone	4.16	43	110911	243.838	ug/l	100
17) Carbon Disulfide	4.41	76	334618	43.871	ug/l	98
18) Methyl Acetate	4.72	43	45245	43.611	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	250125	47.016	ug/l	99
20) Methylene Chloride	4.97	84	138082	47.135	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	147400	47.874	ug/l	98
22) Diisopropyl ether	6.37	45	269523	48.154	ug/l	97
23) Vinyl Acetate	6.31	43	772232	242.510	ug/l	98
24) 1,1-Dichloroethane	6.27	63	235348	49.121	ug/l	97
25) 2-Butanone	7.21	43	118178	227.927	ug/l	96
26) 2,2-Dichloropropane	7.21	77	261727	52.998	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	165512	49.049	ug/l	97
28) Bromochloromethane	7.55	49	73434	44.935	ug/l #	95
29) Tetrahydrofuran	7.57	42	65604	227.620	ug/l	94
30) Chloroform	7.71	83	285167	49.823	ug/l	93
31) Cyclohexane	7.99	56	172013	45.983	ug/l	92
32) 1,1,1-Trichloroethane	7.91	97	288237	51.326	ug/l	99
36) 1,1-Dichloropropene	8.11	75	209813	53.976	ug/l	99
37) Ethyl Acetate	7.29	43	55483	48.514	ug/l	95
38) Carbon Tetrachloride	8.10	117	281382	56.638	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	216322	53.233	ug/l	97
40) Benzene	8.36	78	554128	51.963	ug/l	98
41) Methacrylonitrile	7.52	41	32586m	52.727	ug/l	
42) 1,2-Dichloroethane	8.43	62	162849	48.798	ug/l	99
43) Isopropyl Acetate	8.46	43	108590	47.851	ug/l	99
44) Trichloroethene	9.11	130	177081	51.864	ug/l	100
45) 1,2-Dichloropropane	9.39	63	122076	49.395	ug/l	98
46) Dibromomethane	9.48	93	73502	47.734	ug/l	98
47) Bromodichloromethane	9.67	83	210730	51.079	ug/l	99
48) Methyl methacrylate	9.46	41	53003	48.062	ug/l	93
49) 1,4-Dioxane	9.46	88	15825	1063.920	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	268649	237.350	ug/l	99
52) Toluene	10.41	92	384386	52.923	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	185265	51.120	ug/l	91
54) cis-1,3-Dichloropropene	10.10	75	213689	50.383	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	104755	49.889	ug/l	97
56) Ethyl methacrylate	10.67	69	105463	48.429	ug/l	96
57) 1,3-Dichloropropane	10.95	76	166032	49.686	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	266099	238.194	ug/l	97
59) 2-Hexanone	10.99	43	190429	246.211	ug/l	97
60) Dibromochloromethane	11.14	129	152868	49.921	ug/l	99
61) 1,2-Dibromoethane	11.25	107	99626	48.127	ug/l	98
64) Tetrachloroethene	10.88	164	155988	51.896	ug/l	95
65) Chlorobenzene	11.67	112	424617	53.375	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	168208	53.200	ug/l	100
67) Ethyl Benzene	11.75	91	759841	55.719	ug/l	100
68) m/p-Xylenes	11.86	106	584449	111.295	ug/l	98
69) o-Xylene	12.18	106	264159	54.322	ug/l	97
70) Styrene	12.20	104	453691	54.198	ug/l	99
71) Bromoform	12.37	173	85332	50.237	ug/l #	99
73) Isopropylbenzene	12.48	105	762185	58.235	ug/l	100
74) N-amyl acetate	12.29	43	98159	49.657	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	98021	48.879	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	75101m	52.544	ug/l	
77) Bromobenzene	12.77	156	176996	54.243	ug/l	97
78) n-propylbenzene	12.83	91	877688	57.879	ug/l	99
79) 2-Chlorotoluene	12.91	91	485647	55.225	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	655545	57.638	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	31646	50.209	ug/l	96
82) 4-Chlorotoluene	13.01	91	519678	55.678	ug/l	98
83) tert-Butylbenzene	13.23	119	575035	59.854	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	642730	57.176	ug/l	99
85) sec-Butylbenzene	13.41	105	769976	58.408	ug/l	100
86) p-Isopropyltoluene	13.52	119	724627	58.237	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	339632	54.077	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	335554	53.926	ug/l	99
89) n-Butylbenzene	13.85	91	641643	58.617	ug/l	99
90) Hexachloroethane	14.12	117	122688	56.504	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	286296	52.181	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17180	47.156	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	210159	56.812	ug/l	97
94) Hexachlorobutadiene	15.27	225	134418	58.515	ug/l	98
95) Naphthalene	15.41	128	321594	52.951	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	171003	53.509	ug/l	98

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

