

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092520\
 Data File : VD066887.D
 Acq On : 25 Sep 2020 22:33
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/29/2020 11:45:27 AM

Quant Time: Sep 26 06:45:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	399366	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	645910	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	598898	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	278402	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	188991	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
35) Dibromofluoromethane	7.91	113	195733	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
50) Toluene-d8	10.34	98	700202	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	12.63	95	246213	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	132702	47.344	ug/l	94
3) Chloromethane	2.20	50	157808	43.007	ug/l	100
4) Vinyl Chloride	2.35	62	152141	41.969	ug/l	99
5) Bromomethane	2.77	94	118483	46.501	ug/l	95
6) Chloroethane	2.93	64	102812	45.671	ug/l	98
7) Trichlorofluoromethane	3.27	101	344593	46.286	ug/l	96
8) Diethyl Ether	3.71	74	104717	55.404	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	201169	46.599	ug/l	98
10) Methyl Iodide	4.30	142	209151	54.903	ug/l	96
11) Tert butyl alcohol	5.22	59	63150	271.550	ug/l #	83
12) 1,1-Dichloroethene	4.07	96	186305	47.640	ug/l	99
13) Acrolein	3.92	56	82091	284.689	ug/l	90
14) Allyl chloride	4.71	41	278380	48.477	ug/l	97
15) Acrylonitrile	5.43	53	217440	259.600	ug/l	98
16) Acetone	4.16	43	169520	204.439	ug/l	100
17) Carbon Disulfide	4.41	76	550195	46.018	ug/l	99
18) Methyl Acetate	4.72	43	105062	57.317	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	461402	54.329	ug/l	100
20) Methylene Chloride	4.97	84	244786	55.318	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	229744	50.737	ug/l	90
22) Diisopropyl ether	6.36	45	617443	52.294	ug/l	98
23) Vinyl Acetate	6.30	43	1624600	253.394	ug/l	99
24) 1,1-Dichloroethane	6.27	63	387100	49.007	ug/l	97
25) 2-Butanone	7.21	43	253903	254.802	ug/l	95
26) 2,2-Dichloropropane	7.21	77	323921	44.742	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	256257	52.086	ug/l	97
28) Bromochloromethane	7.54	49	170852	52.357	ug/l #	98
29) Tetrahydrofuran	7.56	42	169358	265.247	ug/l	98
30) Chloroform	7.71	83	425868	50.017	ug/l	96
31) Cyclohexane	7.98	56	313093	44.053	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	379740	49.302	ug/l	99
36) 1,1-Dichloropropene	8.11	75	310964	48.528	ug/l	99
37) Ethyl Acetate	7.29	43	123433	53.284	ug/l	98
38) Carbon Tetrachloride	8.10	117	339250	48.425	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	356166	48.410	ug/l	98
40) Benzene	8.34	78	908303	50.860	ug/l	97
41) Methacrylonitrile	7.52	41	60621m	42.553	ug/l	
42) 1,2-Dichloroethane	8.42	62	260436	49.329	ug/l	100
43) Isopropyl Acetate	8.45	43	231862	51.915	ug/l	99
44) Trichloroethene	9.11	130	256635	50.416	ug/l	96
45) 1,2-Dichloropropane	9.38	63	227295	50.585	ug/l	99
46) Dibromomethane	9.47	93	126168	51.680	ug/l	95
47) Bromodichloromethane	9.66	83	332882	50.758	ug/l	99
48) Methyl methacrylate	9.45	41	109972	49.942	ug/l	97
49) 1,4-Dioxane	9.46	88	30270	1104.154	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	603470	266.666	ug/l	99
52) Toluene	10.40	92	601950	52.328	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	292619	52.423	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	354143	52.032	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	174290	51.932	ug/l	97
56) Ethyl methacrylate	10.66	69	199627	55.524	ug/l	98
57) 1,3-Dichloropropane	10.94	76	291466	52.594	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	413082	242.651	ug/l	98
59) 2-Hexanone	10.98	43	403541	264.422	ug/l	97
60) Dibromochloromethane	11.14	129	232075	52.983	ug/l	97
61) 1,2-Dibromoethane	11.24	107	169540	54.312	ug/l	97
64) Tetrachloroethene	10.87	164	222115	51.559	ug/l	98
65) Chlorobenzene	11.67	112	642941	51.574	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	244726	51.868	ug/l	99
67) Ethyl Benzene	11.74	91	1135847	51.877	ug/l	99
68) m/p-Xylenes	11.85	106	879683	106.117	ug/l	99
69) o-Xylene	12.18	106	401638	53.582	ug/l	100
70) Styrene	12.19	104	700155	53.786	ug/l	99
71) Bromoform	12.36	173	126994	53.160	ug/l	98
73) Isopropylbenzene	12.48	105	1088774	54.136	ug/l	99
74) N-amyl acetate	12.28	43	211675	53.895	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	183422	52.854	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	136718m	59.258	ug/l	
77) Bromobenzene	12.76	156	255311	54.279	ug/l	97
78) n-propylbenzene	12.82	91	1282712	53.015	ug/l	98
79) 2-Chlorotoluene	12.91	91	736730	53.434	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	933134	54.681	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	52657	57.101	ug/l	94
82) 4-Chlorotoluene	13.00	91	773605	53.226	ug/l	99
83) tert-Butylbenzene	13.23	119	782494	55.802	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	929781	54.945	ug/l	99
85) sec-Butylbenzene	13.40	105	1082254	53.670	ug/l	99
86) p-Isopropyltoluene	13.52	119	992399	54.598	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	488970	52.618	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	481517	52.170	ug/l	98
89) n-Butylbenzene	13.84	91	907400	52.522	ug/l	100
90) Hexachloroethane	14.11	117	190829	51.713	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	423707	53.294	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	29751	53.292	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	280558	56.057	ug/l	97
94) Hexachlorobutadiene	15.27	225	158210	52.752	ug/l	97
95) Naphthalene	15.40	128	501501	59.020	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	244914	56.696	ug/l	99

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

