

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092220\
 Data File : VD066822.D
 Acq On : 22 Sep 2020 20:25
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/23/2020 1:05:12 PM

Quant Time: Sep 23 03:29:46 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	396960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	643729	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	603172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	284064	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	199565	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
35) Dibromofluoromethane	7.91	113	197351	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
50) Toluene-d8	10.33	98	725454	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
62) 4-Bromofluorobenzene	12.63	95	245493	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	131638	47.236	ug/l	91
3) Chloromethane	2.20	50	171947	47.145	ug/l	95
4) Vinyl Chloride	2.35	62	174418	48.406	ug/l	99
5) Bromomethane	2.77	94	125270	49.463	ug/l	96
6) Chloroethane	2.92	64	111624	49.886	ug/l	94
7) Trichlorofluoromethane	3.27	101	335201	45.297	ug/l	99
8) Diethyl Ether	3.70	74	98035	52.183	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	199399	46.469	ug/l	98
10) Methyl Iodide	4.30	142	208484	55.059	ug/l	99
11) Tert butyl alcohol	5.23	59	53853	224.578	ug/l	96
12) 1,1-Dichloroethene	4.07	96	188406	48.469	ug/l	99
13) Acrolein	3.92	56	64100	223.644	ug/l	100
14) Allyl chloride	4.71	41	293922	51.494	ug/l	99
15) Acrylonitrile	5.41	53	216227	259.716	ug/l	99
16) Acetone	4.15	43	171981	208.664	ug/l	98
17) Carbon Disulfide	4.41	76	579531	48.766	ug/l	100
18) Methyl Acetate	4.71	43	99519	54.438	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	455340	53.941	ug/l	99
20) Methylene Chloride	4.96	84	262139	60.108	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	229449	50.979	ug/l	87
22) Diisopropyl ether	6.36	45	647994	55.214	ug/l	96
23) Vinyl Acetate	6.30	43	1526549	239.690	ug/l	99
24) 1,1-Dichloroethane	6.26	63	406106	51.725	ug/l	97
25) 2-Butanone	7.21	43	247291	249.671	ug/l	98
26) 2,2-Dichloropropane	7.20	77	323325	44.931	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	259720	53.109	ug/l	97
28) Bromochloromethane	7.54	49	178957	55.174	ug/l #	99
29) Tetrahydrofuran	7.56	42	164280	258.854	ug/l	98
30) Chloroform	7.71	83	437478	51.692	ug/l	97
31) Cyclohexane	7.98	56	324716	45.965	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	375922	49.103	ug/l	99
36) 1,1-Dichloropropene	8.11	75	316057	49.490	ug/l	99
37) Ethyl Acetate	7.29	43	123212	53.368	ug/l #	83
38) Carbon Tetrachloride	8.09	117	329073	47.131	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	360856	49.214	ug/l	96
40) Benzene	8.34	78	919870	51.682	ug/l	98
41) Methacrylonitrile	7.53	41	78576m	55.344	ug/l	
42) 1,2-Dichloroethane	8.42	62	269603	51.239	ug/l	100
43) Isopropyl Acetate	8.45	43	229403	51.539	ug/l	99
44) Trichloroethene	9.11	130	249557	49.191	ug/l	99
45) 1,2-Dichloropropane	9.38	63	226274	50.529	ug/l	99
46) Dibromomethane	9.47	93	126166	51.854	ug/l	99
47) Bromodichloromethane	9.66	83	335673	51.357	ug/l	98
48) Methyl methacrylate	9.45	41	122393	55.771	ug/l	93
49) 1,4-Dioxane	9.45	88	28546	1038.571	ug/l #	95
51) 4-Methyl-2-Pentanone	10.23	43	608984	270.014	ug/l	99
52) Toluene	10.40	92	600452	52.374	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	282422	50.768	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	343504	50.640	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	172669	51.623	ug/l	98
56) Ethyl methacrylate	10.66	69	197244	55.047	ug/l	96
57) 1,3-Dichloropropane	10.94	76	287897	52.126	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	413386	243.652	ug/l	99
59) 2-Hexanone	10.98	43	408898	268.840	ug/l	99
60) Dibromochloromethane	11.14	129	224049	51.324	ug/l	99
61) 1,2-Dibromoethane	11.24	107	162263	52.157	ug/l	100
64) Tetrachloroethene	10.87	164	219920	50.688	ug/l	97
65) Chlorobenzene	11.67	112	632987	50.416	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	239344	50.368	ug/l	99
67) Ethyl Benzene	11.74	91	1116073	50.613	ug/l	98
68) m/p-Xylenes	11.85	106	864193	103.510	ug/l	99
69) o-Xylene	12.18	106	399169	52.875	ug/l	98
70) Styrene	12.19	104	694017	52.937	ug/l	99
71) Bromoform	12.36	173	121356	50.440	ug/l #	99
73) Isopropylbenzene	12.48	105	1063889	51.845	ug/l	99
74) N-amyl acetate	12.29	43	208208	51.956	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	171743	48.502	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	133028m	56.509	ug/l	
77) Bromobenzene	12.76	156	244563	50.957	ug/l	99
78) n-propylbenzene	12.82	91	1261960	51.118	ug/l	99
79) 2-Chlorotoluene	12.91	91	717004	50.966	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	912750	52.420	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	41663	44.279	ug/l	98
82) 4-Chlorotoluene	13.00	91	761199	51.329	ug/l	100
83) tert-Butylbenzene	13.23	119	751698	52.537	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	910162	52.714	ug/l	100
85) sec-Butylbenzene	13.40	105	1038380	50.468	ug/l	99
86) p-Isopropyltoluene	13.51	119	968365	52.214	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	470335	49.604	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	456760	48.502	ug/l	98
89) n-Butylbenzene	13.84	91	891650	50.582	ug/l	100
90) Hexachloroethane	14.11	117	177487	47.139	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	408379	50.342	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	27197	47.746	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	262136	51.332	ug/l	96
94) Hexachlorobutadiene	15.27	225	149326	48.797	ug/l	98
95) Naphthalene	15.40	128	465365	53.676	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	227882	51.702	ug/l	100

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

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