

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066964.D
 Acq On : 30 Sep 2020 04:13
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/30/2020 1:22:19 PM

Quant Time: Sep 30 04:40:18 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	379361	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	623863	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	579948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	276086	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	173824	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	
35) Dibromofluoromethane	7.91	113	186695	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	
50) Toluene-d8	10.34	98	651300	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
62) 4-Bromofluorobenzene	12.63	95	229904	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	118595	44.153	ug/l	96
3) Chloromethane	2.21	50	146087	41.912	ug/l	96
4) Vinyl Chloride	2.35	62	142537	41.393	ug/l	96
5) Bromomethane	2.77	94	114259	47.208	ug/l	97
6) Chloroethane	2.93	64	95819	44.809	ug/l	89
7) Trichlorofluoromethane	3.27	101	315040	44.547	ug/l	96
8) Diethyl Ether	3.71	74	100669	56.071	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	186960	45.591	ug/l	99
10) Methyl Iodide	4.30	142	183859	50.808	ug/l	96
11) Tert butyl alcohol	5.22	59	64282	295.227	ug/l	99
12) 1,1-Dichloroethene	4.07	96	180862	48.687	ug/l	98
13) Acrolein	3.92	56	67835	247.655	ug/l	93
14) Allyl chloride	4.71	41	274336	50.292	ug/l	95
15) Acrylonitrile	5.42	53	221269	278.102	ug/l	98
16) Acetone	4.16	43	159773	202.845	ug/l	99
17) Carbon Disulfide	4.41	76	521913	45.955	ug/l	99
18) Methyl Acetate	4.73	43	102349	58.881	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	462990	57.391	ug/l	100
20) Methylene Chloride	4.97	84	241099	57.601	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	229990	53.470	ug/l	96
22) Diisopropyl ether	6.37	45	613976	54.743	ug/l	96
23) Vinyl Acetate	6.31	43	1588373	260.730	ug/l	97
24) 1,1-Dichloroethane	6.27	63	395828	52.755	ug/l	99
25) 2-Butanone	7.21	43	252303	266.548	ug/l	99
26) 2,2-Dichloropropane	7.21	77	290201	42.199	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	261791	56.016	ug/l	95
28) Bromochloromethane	7.55	49	152294	49.131	ug/l #	89
29) Tetrahydrofuran	7.56	42	167901	276.832	ug/l	98
30) Chloroform	7.71	83	432953	53.531	ug/l	99
31) Cyclohexane	7.98	56	287073	42.522	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	373374	51.032	ug/l	98
36) 1,1-Dichloropropene	8.11	75	302852	48.932	ug/l	99
37) Ethyl Acetate	7.30	43	117253	52.405	ug/l	97
38) Carbon Tetrachloride	8.10	117	328207	48.504	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	337075	47.434	ug/l	98
40) Benzene	8.35	78	904785	52.453	ug/l	97
41) Methacrylonitrile	7.54	41	81977m	59.578	ug/l	
42) 1,2-Dichloroethane	8.43	62	259165	50.823	ug/l	98
43) Isopropyl Acetate	8.45	43	226112	52.417	ug/l	98
44) Trichloroethene	9.11	130	257585	52.391	ug/l	98
45) 1,2-Dichloropropane	9.38	63	223972	51.607	ug/l	99
46) Dibromomethane	9.47	93	127041	53.877	ug/l	94
47) Bromodichloromethane	9.66	83	335302	52.934	ug/l	96
48) Methyl methacrylate	9.46	41	110702	52.050	ug/l	95
49) 1,4-Dioxane	9.46	88	31234	1187.490	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	602796	275.781	ug/l	99
52) Toluene	10.40	92	599711	53.975	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	293703	54.477	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	350078	53.253	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	176848	54.556	ug/l	96
56) Ethyl methacrylate	10.66	69	203764	58.677	ug/l	97
57) 1,3-Dichloropropane	10.94	76	295083	55.129	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	400028	243.287	ug/l	96
59) 2-Hexanone	10.98	43	402781	273.251	ug/l	97
60) Dibromochloromethane	11.14	129	236206	55.832	ug/l	100
61) 1,2-Dibromoethane	11.24	107	167572	55.578	ug/l	97
64) Tetrachloroethene	10.87	164	224554	53.829	ug/l	96
65) Chlorobenzene	11.67	112	649449	53.798	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	250794	54.890	ug/l	99
67) Ethyl Benzene	11.74	91	1129764	53.285	ug/l	99
68) m/p-Xylenes	11.86	106	870513	108.442	ug/l	100
69) o-Xylene	12.18	106	406015	55.935	ug/l	98
70) Styrene	12.20	104	711090	56.411	ug/l	100
71) Bromoform	12.36	173	131353	56.781	ug/l #	100
73) Isopropylbenzene	12.48	105	1087669	54.535	ug/l	99
74) N-amyl acetate	12.29	43	206742	53.081	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	183301	53.262	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	119899m	52.404	ug/l	
77) Bromobenzene	12.76	156	259229	55.574	ug/l	95
78) n-propylbenzene	12.83	91	1261360	52.570	ug/l	98
79) 2-Chlorotoluene	12.91	91	731181	53.476	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	925116	54.666	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	51192	55.979	ug/l	95
82) 4-Chlorotoluene	13.01	91	770698	53.471	ug/l	99
83) tert-Butylbenzene	13.23	119	792337	56.978	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	938861	55.947	ug/l	100
85) sec-Butylbenzene	13.40	105	1052041	52.610	ug/l	100
86) p-Isopropyltoluene	13.52	119	993480	55.116	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	493687	53.571	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	492177	53.773	ug/l	99
89) n-Butylbenzene	13.85	91	883554	51.571	ug/l	99
90) Hexachloroethane	14.12	117	188925	51.627	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	434513	55.111	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	29906	54.019	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	283232	57.066	ug/l	98
94) Hexachlorobutadiene	15.27	225	159218	53.533	ug/l	98
95) Naphthalene	15.41	128	522596	62.019	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	251390	58.684	ug/l	98

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

