

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066948.D
 Acq On : 29 Sep 2020 19:31
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/30/2020 1:21:59 PM

Quant Time: Sep 30 03:58:27 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	396630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	628772	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	585148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	284029	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	187981	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
35) Dibromofluoromethane	7.91	113	194495	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
50) Toluene-d8	10.34	98	693465	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.63	95	242158	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	136762	49.378	ug/l	97
3) Chloromethane	2.21	50	150144	41.201	ug/l	94
4) Vinyl Chloride	2.35	62	152056	42.235	ug/l	97
5) Bromomethane	2.77	94	115904	45.802	ug/l	99
6) Chloroethane	2.92	64	100892	45.127	ug/l	95
7) Trichlorofluoromethane	3.27	101	353547	47.816	ug/l	97
8) Diethyl Ether	3.71	74	105777	56.351	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	210907	49.192	ug/l	98
10) Methyl Iodide	4.30	142	204850	54.144	ug/l	97
11) Tert butyl alcohol	5.22	59	71335	316.985	ug/l	96
12) 1,1-Dichloroethene	4.06	96	194301	50.027	ug/l	97
13) Acrolein	3.92	56	72485	253.110	ug/l	95
14) Allyl chloride	4.71	41	292556	51.297	ug/l	97
15) Acrylonitrile	5.42	53	234987	282.484	ug/l	98
16) Acetone	4.16	43	177236	215.218	ug/l	100
17) Carbon Disulfide	4.41	76	558280	47.017	ug/l	100
18) Methyl Acetate	4.72	43	109253	60.199	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	490713	58.179	ug/l	96
20) Methylene Chloride	4.96	84	252683	57.756	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	239501	53.256	ug/l	95
22) Diisopropyl ether	6.36	45	641981	54.747	ug/l	98
23) Vinyl Acetate	6.30	43	1699956	266.833	ug/l	97
24) 1,1-Dichloroethane	6.27	63	407746	51.977	ug/l	97
25) 2-Butanone	7.21	43	272818	275.672	ug/l	98
26) 2,2-Dichloropropane	7.21	77	334237	46.486	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	273249	55.922	ug/l	97
28) Bromochloromethane	7.54	49	173596	53.565	ug/l #	94
29) Tetrahydrofuran	7.56	42	178679	281.776	ug/l	97
30) Chloroform	7.71	83	449887	53.203	ug/l	99
31) Cyclohexane	7.99	56	325200	46.072	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	396479	51.831	ug/l	99
36) 1,1-Dichloropropene	8.11	75	323877	51.921	ug/l	98
37) Ethyl Acetate	7.29	43	125563	55.680	ug/l	95
38) Carbon Tetrachloride	8.10	117	352439	51.679	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	378913	52.906	ug/l	98
40) Benzene	8.35	78	944605	54.334	ug/l	98
41) Methacrylonitrile	7.53	41	66236m	47.762	ug/l	
42) 1,2-Dichloroethane	8.42	62	272990	53.117	ug/l	99
43) Isopropyl Acetate	8.45	43	245306	56.423	ug/l	99
44) Trichloroethene	9.11	130	272073	54.905	ug/l	97
45) 1,2-Dichloropropane	9.38	63	235407	53.819	ug/l	99
46) Dibromomethane	9.47	93	134475	56.584	ug/l	96
47) Bromodichloromethane	9.66	83	352121	55.155	ug/l #	98
48) Methyl methacrylate	9.45	41	128599	59.993	ug/l	93
49) 1,4-Dioxane	9.46	88	32936	1247.778	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	632168	286.961	ug/l	98
52) Toluene	10.40	92	622357	55.576	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	310687	57.177	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	370144	55.865	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	184067	56.340	ug/l	97
56) Ethyl methacrylate	10.66	69	217847	62.243	ug/l	97
57) 1,3-Dichloropropane	10.94	76	305532	56.635	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	415995	251.022	ug/l	97
59) 2-Hexanone	10.98	43	432491	291.116	ug/l	96
60) Dibromochloromethane	11.14	129	245971	57.686	ug/l	99
61) 1,2-Dibromoethane	11.24	107	181361	59.682	ug/l	99
64) Tetrachloroethene	10.87	164	235177	55.874	ug/l	99
65) Chlorobenzene	11.67	112	667440	54.797	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	257847	55.933	ug/l	98
67) Ethyl Benzene	11.74	91	1187611	55.516	ug/l	100
68) m/p-Xylenes	11.85	106	923736	114.050	ug/l	98
69) o-Xylene	12.18	106	425245	58.064	ug/l	98
70) Styrene	12.20	104	738928	58.098	ug/l	100
71) Bromoform	12.36	173	136562	58.508	ug/l #	99
73) Isopropylbenzene	12.48	105	1151147	56.104	ug/l	99
74) N-amyl acetate	12.29	43	224257	55.968	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	196929	55.621	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	124273m	52.797	ug/l	
77) Bromobenzene	12.76	156	270663	56.403	ug/l	95
78) n-propylbenzene	12.82	91	1336464	54.142	ug/l	99
79) 2-Chlorotoluene	12.91	91	761257	54.119	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	968242	55.614	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	55016	58.478	ug/l	96
82) 4-Chlorotoluene	13.01	91	808381	54.517	ug/l	99
83) tert-Butylbenzene	13.23	119	803898	56.192	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	976263	56.549	ug/l	99
85) sec-Butylbenzene	13.40	105	1137577	55.296	ug/l	100
86) p-Isopropyltoluene	13.52	119	1049891	56.617	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	525760	55.456	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	507875	53.936	ug/l	98
89) n-Butylbenzene	13.85	91	956303	54.256	ug/l	99
90) Hexachloroethane	14.11	117	201989	53.653	ug/l	94
91) 1,2-Dichlorobenzene	13.89	146	455612	56.171	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	31650	55.571	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	306680	60.062	ug/l	97
94) Hexachlorobutadiene	15.27	225	170739	55.802	ug/l	99
95) Naphthalene	15.41	128	557085	64.263	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	269997	61.265	ug/l	98

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

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