

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092420\
 Data File : VD066840.D
 Acq On : 24 Sep 2020 10:04
 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
 9/25/2020 3:59:58 PM

Quant Time: Sep 25 01:18:20 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	7.97	168	429744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	634794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	582195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	282232	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	185769	44.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.34%	
35) Dibromofluoromethane	7.91	113	195874	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
50) Toluene-d8	10.33	98	697159	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
62) 4-Bromofluorobenzene	12.63	95	240632	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	146802	48.857	ug/l	92
3) Chloromethane	2.21	50	160405	40.625	ug/l	96
4) Vinyl Chloride	2.35	62	180118	46.174	ug/l	96
5) Bromomethane	2.77	94	113733	41.481	ug/l	97
6) Chloroethane	2.92	64	105652	43.615	ug/l	97
7) Trichlorofluoromethane	3.27	101	366651	45.767	ug/l	95
8) Diethyl Ether	3.70	74	88862	43.692	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	215843	46.464	ug/l	98
10) Methyl Iodide	4.30	142	209766	51.172	ug/l	98
11) Tert butyl alcohol	5.20	59	49170	180.148	ug/l	99
12) 1,1-Dichloroethene	4.06	96	193024	45.869	ug/l	98
13) Acrolein	3.92	56	60997	196.582	ug/l	94
14) Allyl chloride	4.71	41	277241	44.866	ug/l	99
15) Acrylonitrile	5.41	53	202621	224.807	ug/l	98
16) Acetone	4.15	43	201178	225.467	ug/l	97
17) Carbon Disulfide	4.40	76	577213	44.865	ug/l	98
18) Methyl Acetate	4.71	43	91017	45.382	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	424519	46.453	ug/l	100
20) Methylene Chloride	4.96	84	220501	45.234	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	228631	46.922	ug/l	94
22) Diisopropyl ether	6.36	45	585867	46.112	ug/l	100
23) Vinyl Acetate	6.30	43	1530186	222.130	ug/l	98
24) 1,1-Dichloroethane	6.26	63	380612	44.780	ug/l	99
25) 2-Butanone	7.21	43	225600	210.395	ug/l	92
26) 2,2-Dichloropropane	7.21	77	351677	45.143	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	245981	46.463	ug/l	99
28) Bromochloromethane	7.54	49	166457	47.405	ug/l #	97
29) Tetrahydrofuran	7.56	42	155670	226.575	ug/l	97
30) Chloroform	7.71	83	414940	45.289	ug/l	100
31) Cyclohexane	7.98	56	342217	44.747	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	380733	45.937	ug/l	99
36) 1,1-Dichloropropene	8.10	75	323030	51.294	ug/l	99
37) Ethyl Acetate	7.29	43	112137	49.255	ug/l	99
38) Carbon Tetrachloride	8.09	117	348825	50.664	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	387236	53.555	ug/l	98
40) Benzene	8.34	78	873540	49.770	ug/l	99
41) Methacrylonitrile	7.53	41	65857m	47.038	ug/l	
42) 1,2-Dichloroethane	8.42	62	248634	47.919	ug/l	98
43) Isopropyl Acetate	8.44	43	212523	48.419	ug/l	98
44) Trichloroethene	9.11	130	247157	49.404	ug/l	99
45) 1,2-Dichloropropane	9.38	63	213734	48.400	ug/l	95
46) Dibromomethane	9.47	93	119480	49.798	ug/l	98
47) Bromodichloromethane	9.66	83	319879	49.630	ug/l	97
48) Methyl methacrylate	9.45	41	108374	50.078	ug/l	94
49) 1,4-Dioxane	9.46	88	29331	1087.010	ug/l	96
51) 4-Methyl-2-Pentanone	10.22	43	565502	254.264	ug/l	98
52) Toluene	10.40	92	580334	51.332	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	279700	50.986	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	333959	49.926	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	167000	50.631	ug/l	95
56) Ethyl methacrylate	10.66	69	186326	52.732	ug/l	99
57) 1,3-Dichloropropane	10.94	76	272339	50.004	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	405937	242.629	ug/l	98
59) 2-Hexanone	10.98	43	385770	257.204	ug/l	99
60) Dibromochloromethane	11.14	129	220182	51.148	ug/l	99
61) 1,2-Dibromoethane	11.24	107	158136	51.545	ug/l	99
64) Tetrachloroethene	10.87	164	218020	52.061	ug/l	96
65) Chlorobenzene	11.67	112	606856	50.076	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	232539	50.699	ug/l	99
67) Ethyl Benzene	11.74	91	1111516	52.222	ug/l	97
68) m/p-Xylenes	11.85	106	869642	107.916	ug/l	98
69) o-Xylene	12.18	106	380386	52.202	ug/l	100
70) Styrene	12.19	104	667496	52.748	ug/l	99
71) Bromoform	12.36	173	116652	50.231	ug/l #	99
73) Isopropylbenzene	12.48	105	1074724	52.712	ug/l	97
74) N-amyl acetate	12.28	43	198542	49.866	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	172431	49.012	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	122508m	52.378	ug/l	
77) Bromobenzene	12.76	156	240926	50.526	ug/l	96
78) n-propylbenzene	12.82	91	1295733	52.826	ug/l	100
79) 2-Chlorotoluene	12.91	91	699806	50.067	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	907417	52.452	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	42306	45.254	ug/l	95
82) 4-Chlorotoluene	13.00	91	746278	50.649	ug/l	100
83) tert-Butylbenzene	13.23	119	765593	53.856	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	905227	52.768	ug/l	99
85) sec-Butylbenzene	13.40	105	1077612	52.715	ug/l	100
86) p-Isopropyltoluene	13.51	119	1005632	54.575	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	470187	49.910	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	460570	49.224	ug/l	99
89) n-Butylbenzene	13.84	91	932664	53.252	ug/l	100
90) Hexachloroethane	14.11	117	184702	49.373	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	404743	50.218	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	26599	47.000	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	264430	52.118	ug/l	97
94) Hexachlorobutadiene	15.27	225	162662	53.500	ug/l	99
95) Naphthalene	15.40	128	449660	52.201	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	225247	51.436	ug/l	98

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

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