

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092520\
 Data File : VD066902.D
 Acq On : 26 Sep 2020 05:50
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/29/2020 11:45:34 AM

Quant Time: Sep 26 07:47:14 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	381311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	650712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	604835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	279878	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	176907	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	
35) Dibromofluoromethane	7.91	113	195540	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
50) Toluene-d8	10.34	98	687238	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
62) 4-Bromofluorobenzene	12.63	95	237989	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	116202	42.875	ug/l	93
3) Chloromethane	2.21	50	156159	44.573	ug/l	98
4) Vinyl Chloride	2.35	62	150937	43.608	ug/l	99
5) Bromomethane	2.77	94	123677	50.838	ug/l	97
6) Chloroethane	2.93	64	103406	48.110	ug/l #	87
7) Trichlorofluoromethane	3.28	101	308046	43.336	ug/l	98
8) Diethyl Ether	3.71	74	100036	55.434	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	181381	44.005	ug/l	97
10) Methyl Iodide	4.30	142	192346	52.882	ug/l	96
11) Tert butyl alcohol	5.21	59	61722	279.375	ug/l #	94
12) 1,1-Dichloroethene	4.07	96	175075	46.888	ug/l	96
13) Acrolein	3.93	56	70301	255.346	ug/l	97
14) Allyl chloride	4.71	41	280755	51.206	ug/l	98
15) Acrylonitrile	5.42	53	214373	268.057	ug/l	98
16) Acetone	4.16	43	156510	197.686	ug/l	94
17) Carbon Disulfide	4.41	76	527479	46.207	ug/l	100
18) Methyl Acetate	4.72	43	124233	71.918	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	460723	56.818	ug/l	96
20) Methylene Chloride	4.97	84	244807	58.255	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	225891	52.248	ug/l	97
22) Diisopropyl ether	6.37	45	619581	54.960	ug/l	96
23) Vinyl Acetate	6.31	43	1524052	249.014	ug/l	98
24) 1,1-Dichloroethane	6.27	63	382537	50.723	ug/l	96
25) 2-Butanone	7.21	43	250224	263.000	ug/l	97
26) 2,2-Dichloropropane	7.21	77	289781	41.922	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	259667	55.278	ug/l	95
28) Bromochloromethane	7.54	49	172626	55.406	ug/l #	93
29) Tetrahydrofuran	7.56	42	170216	279.214	ug/l	97
30) Chloroform	7.71	83	423364	52.078	ug/l	97
31) Cyclohexane	7.98	56	285268	42.038	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	368518	50.111	ug/l	99
36) 1,1-Dichloropropene	8.11	75	286598	44.395	ug/l	98
37) Ethyl Acetate	7.29	43	116045	49.725	ug/l	97
38) Carbon Tetrachloride	8.10	117	316089	44.786	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	325056	43.856	ug/l	99
40) Benzene	8.35	78	907045	50.415	ug/l	94
41) Methacrylonitrile	7.52	41	62154	43.307	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	259453	48.781	ug/l	99
43) Isopropyl Acetate	8.45	43	228352	50.752	ug/l	99
44) Trichloroethene	9.11	130	249114	48.577	ug/l	97
45) 1,2-Dichloropropane	9.38	63	228437	50.464	ug/l	99
46) Dibromomethane	9.47	93	125133	50.878	ug/l	94
47) Bromodichloromethane	9.66	83	330356	50.001	ug/l	97
48) Methyl methacrylate	9.46	41	111346	50.193	ug/l	94
49) 1,4-Dioxane	9.46	88	28314	1016.902	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	605298	265.500	ug/l	99
52) Toluene	10.40	92	602098	51.954	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	285761	50.816	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	347461	50.674	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	175497	51.906	ug/l	95
56) Ethyl methacrylate	10.66	69	205711	56.794	ug/l	96
57) 1,3-Dichloropropane	10.94	76	288198	51.621	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	414095	241.451	ug/l	98
59) 2-Hexanone	10.98	43	403598	262.508	ug/l	95
60) Dibromochloromethane	11.14	129	230637	52.266	ug/l	99
61) 1,2-Dibromoethane	11.24	107	169643	53.944	ug/l	100
64) Tetrachloroethene	10.87	164	219367	50.421	ug/l	96
65) Chlorobenzene	11.67	112	632038	50.202	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	243728	51.149	ug/l	98
67) Ethyl Benzene	11.74	91	1114962	50.423	ug/l	100
68) m/p-Xylenes	11.85	106	852035	101.773	ug/l	99
69) o-Xylene	12.18	106	392318	51.824	ug/l	100
70) Styrene	12.19	104	705989	53.702	ug/l	99
71) Bromoform	12.36	173	128078	53.087	ug/l #	99
73) Isopropylbenzene	12.48	105	1059043	52.380	ug/l	97
74) N-amyl acetate	12.28	43	197711	50.075	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	181994	52.166	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	109195m	47.079	ug/l	
77) Bromobenzene	12.76	156	254991	53.925	ug/l	96
78) n-propylbenzene	12.82	91	1243013	51.103	ug/l	99
79) 2-Chlorotoluene	12.91	91	721185	52.030	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	892823	52.043	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	50315	54.274	ug/l	96
82) 4-Chlorotoluene	13.00	91	759429	51.975	ug/l	99
83) tert-Butylbenzene	13.23	119	752625	53.389	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	903730	53.124	ug/l	100
85) sec-Butylbenzene	13.40	105	1023440	50.486	ug/l	100
86) p-Isopropyltoluene	13.52	119	945300	51.733	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	476113	50.964	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	467043	50.335	ug/l	99
89) n-Butylbenzene	13.84	91	842317	48.498	ug/l	100
90) Hexachloroethane	14.11	117	186527	50.281	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	417162	52.194	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	30142	53.708	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	270616	53.786	ug/l	97
94) Hexachlorobutadiene	15.27	225	149708	49.654	ug/l	99
95) Naphthalene	15.41	128	501248	58.679	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	234547	54.010	ug/l	97

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

