

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092220\
 Data File : VD066806.D
 Acq On : 22 Sep 2020 12:38
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/23/2020 1:05:01 PM

Quant Time: Sep 22 13:08:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 22 12:44:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	423551	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	674923	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	618591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	297748	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	402377	90.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	181.70%	
35) Dibromofluoromethane	7.91	113	411553	98.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.92%	
50) Toluene-d8	10.34	98	1469750	100.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.14%	
62) 4-Bromofluorobenzene	12.63	95	511202	100.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	287724	82.232	ug/l	96
3) Chloromethane	2.21	50	344127	76.851	ug/l	98
4) Vinyl Chloride	2.35	62	342287	73.559	ug/l	99
5) Bromomethane	2.76	94	249369	75.746	ug/l	99
6) Chloroethane	2.92	64	224336	78.010	ug/l	94
7) Trichlorofluoromethane	3.27	101	717947	87.162	ug/l	98
8) Diethyl Ether	3.71	74	202098	97.040	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	414905	91.141	ug/l	98
10) Methyl Iodide	4.30	142	447342	105.143	ug/l	98
11) Tert butyl alcohol	5.22	59	122246	271.789	ug/l	98
12) 1,1-Dichloroethene	4.07	96	386305	91.491	ug/l	96
13) Acrolein	3.92	56	155847	492.962	ug/l	95
14) Allyl chloride	4.72	41	608914	91.101	ug/l	99
15) Acrylonitrile	5.42	53	449427	491.370	ug/l	99
16) Acetone	4.16	43	436130	470.454	ug/l	98
17) Carbon Disulfide	4.41	76	1183725	89.926	ug/l	98
18) Methyl Acetate	4.72	43	199760	89.948	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	950726	101.379	ug/l	97
20) Methylene Chloride	4.97	84	466062	75.244	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	459618	93.754	ug/l	93
22) Diisopropyl ether	6.36	45	1273847	93.619	ug/l	97
23) Vinyl Acetate	6.31	43	3600105	480.271	ug/l	99
24) 1,1-Dichloroethane	6.27	63	798989	91.748	ug/l	98
25) 2-Butanone	7.21	43	533606	452.190	ug/l	98
26) 2,2-Dichloropropane	7.21	77	707787	88.206	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	519152	96.824	ug/l	99
28) Bromochloromethane	7.55	49	364339	109.026	ug/l #	99
29) Tetrahydrofuran	7.56	42	352525	486.941	ug/l	98
30) Chloroform	7.71	83	845872	91.400	ug/l	98
31) Cyclohexane	7.98	56	678655	86.262	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	774906	91.525	ug/l	100
36) 1,1-Dichloropropene	8.11	75	646644	93.532	ug/l	99
37) Ethyl Acetate	7.29	43	253426	96.921	ug/l	97
38) Carbon Tetrachloride	8.10	117	690664	93.843	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	772617	97.726	ug/l	99
40) Benzene	8.35	78	1785285	94.948	ug/l	100
41) Methacrylonitrile	7.54	41	155201m	109.845	ug/l	
42) 1,2-Dichloroethane	8.42	62	532499	92.298	ug/l	99
43) Isopropyl Acetate	8.45	43	483042	97.927	ug/l	98
44) Trichloroethene	9.11	130	511211	100.862	ug/l	100
45) 1,2-Dichloropropane	9.38	63	453719	97.197	ug/l	97
46) Dibromomethane	9.47	93	255113	99.233	ug/l	100
47) Bromodichloromethane	9.66	83	661269	95.138	ug/l #	98
48) Methyl methacrylate	9.46	41	256282	103.819	ug/l	91
49) 1,4-Dioxane	9.46	88	59180	2145.108	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	1248759	492.112	ug/l	100
52) Toluene	10.40	92	1196665	99.310	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	608772	98.385	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	722997	98.359	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	339849	99.779	ug/l	96
56) Ethyl methacrylate	10.66	69	420226	110.149	ug/l	99
57) 1,3-Dichloropropane	10.94	76	576588	97.735	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	899271	529.454	ug/l	98
59) 2-Hexanone	10.98	43	863760	506.533	ug/l	99
60) Dibromochloromethane	11.14	129	455996	103.369	ug/l	99
61) 1,2-Dibromoethane	11.24	107	332867	102.441	ug/l	99
64) Tetrachloroethene	10.87	164	414851	97.535	ug/l	97
65) Chlorobenzene	11.67	112	1248927	97.746	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	475548	100.018	ug/l	99
67) Ethyl Benzene	11.74	91	2284963	99.016	ug/l	97
68) m/p-Xylenes	11.85	106	1732621	198.117	ug/l	100
69) o-Xylene	12.18	106	797158	102.836	ug/l	100
70) Styrene	12.20	104	1387036	101.914	ug/l	99
71) Bromoform	12.36	173	247746	103.496	ug/l #	99
73) Isopropylbenzene	12.48	105	2167991	97.911	ug/l	99
74) N-amyl acetate	12.29	43	453498	97.498	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	363796	95.627	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	235814m	91.998	ug/l	
77) Bromobenzene	12.76	156	491523	95.399	ug/l	99
78) n-propylbenzene	12.82	91	2562412	95.159	ug/l	100
79) 2-Chlorotoluene	12.91	91	1461941	96.047	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	1834603	98.130	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	107742	92.431	ug/l	98
82) 4-Chlorotoluene	13.01	91	1506329	93.329	ug/l	100
83) tert-Butylbenzene	13.23	119	1537691	99.560	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	1827269	97.750	ug/l	99
85) sec-Butylbenzene	13.40	105	2140175	96.858	ug/l	100
86) p-Isopropyltoluene	13.52	119	1985620	98.911	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	933972	94.886	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	921613	93.940	ug/l	99
89) n-Butylbenzene	13.84	91	1877710	98.741	ug/l	100
90) Hexachloroethane	14.11	117	386553	94.167	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	829501	98.282	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	60354	99.174	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	558569	109.343	ug/l	96
94) Hexachlorobutadiene	15.27	225	310746	100.816	ug/l	99
95) Naphthalene	15.40	128	1039819	115.459	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	473150	105.176	ug/l	98

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

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