

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092220\
 Data File : VD066807.D
 Acq On : 22 Sep 2020 13:05
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 9/23/2020 1:05:03 PM

Quant Time: Sep 22 13:23:59 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	7.97	168	430878	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	673298	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	616710	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	291350	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	558101	123.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	247.72%	
35) Dibromofluoromethane	7.91	113	585982	141.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	282.50%	
50) Toluene-d8	10.34	98	2100846	143.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	286.76%	
62) 4-Bromofluorobenzene	12.63	95	724061	142.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	285.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	409324	114.997	ug/l	92
3) Chloromethane	2.21	50	502422	110.294	ug/l	99
4) Vinyl Chloride	2.35	62	500439	105.718	ug/l	96
5) Bromomethane	2.75	94	353725	105.617	ug/l	95
6) Chloroethane	2.91	64	324885	111.054	ug/l	98
7) Trichlorofluoromethane	3.27	101	1026763	122.533	ug/l	100
8) Diethyl Ether	3.71	74	290370	137.055	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	591571	127.739	ug/l	99
10) Methyl Iodide	4.30	142	684626	158.178	ug/l	97
11) Tert butyl alcohol	5.23	59	159884	349.425	ug/l #	85
12) 1,1-Dichloroethene	4.07	96	563820	131.262	ug/l	92
13) Acrolein	3.92	56	210549	654.666	ug/l	96
14) Allyl chloride	4.71	41	897177	131.946	ug/l	100
15) Acrylonitrile	5.42	53	613796	659.668	ug/l	99
16) Acetone	4.16	43	585557	620.900	ug/l	99
17) Carbon Disulfide	4.41	76	1715365	128.099	ug/l	99
18) Methyl Acetate	4.71	43	276528	122.398	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	1344577	140.939	ug/l	99
20) Methylene Chloride	4.97	84	652664	103.578	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	672219	134.789	ug/l	91
22) Diisopropyl ether	6.36	45	1816018	131.195	ug/l	97
23) Vinyl Acetate	6.30	43	5078079	665.921	ug/l	99
24) 1,1-Dichloroethane	6.26	63	1142977	129.016	ug/l	98
25) 2-Butanone	7.21	43	726365	605.071	ug/l	100
26) 2,2-Dichloropropane	7.21	77	1025443	125.620	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	755445	138.498	ug/l	99
28) Bromochloromethane	7.55	49	511251	150.386	ug/l #	98
29) Tetrahydrofuran	7.56	42	484846	658.328	ug/l	98
30) Chloroform	7.71	83	1240345	131.745	ug/l	99
31) Cyclohexane	7.98	56	974863	121.806	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	1126213	130.756	ug/l	99
36) 1,1-Dichloropropene	8.11	75	932549	135.211	ug/l	100
37) Ethyl Acetate	7.29	43	347866	133.360	ug/l	99
38) Carbon Tetrachloride	8.10	117	1005494	136.949	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092220\
 Data File : VD066807.D
 Acq On : 22 Sep 2020 13:05
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 9/23/2020 1:05:03 PM

Quant Time: Sep 22 13:23:59 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)
39) Methylcyclohexane	9.35	83	1123523	142.453	ug/l	99
40) Benzene	8.35	78	2629972	140.210	ug/l	97
41) Methacrylonitrile	7.54	41	214205m	151.972	ug/l	
42) 1,2-Dichloroethane	8.42	62	753652	130.945	ug/l	100
43) Isopropyl Acetate	8.45	43	676855	137.550	ug/l	98
44) Trichloroethene	9.11	130	747141	147.766	ug/l	99
45) 1,2-Dichloropropane	9.38	63	648219	139.199	ug/l	99
46) Dibromomethane	9.47	93	364049	141.948	ug/l	100
47) Bromodichloromethane	9.66	83	956767	137.984	ug/l #	96
48) Methyl methacrylate	9.45	41	359433	145.957	ug/l	92
49) 1,4-Dioxane	9.46	88	77213	2805.509	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	1687781	666.728	ug/l	100
52) Toluene	10.40	92	1728895	143.825	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	879374	142.460	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	1061905	144.814	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	483828	142.393	ug/l	97
56) Ethyl methacrylate	10.66	69	591138	155.322	ug/l	96
57) 1,3-Dichloropropane	10.94	76	816496	138.734	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	1235660	729.262	ug/l	98
59) 2-Hexanone	10.98	43	1151267	676.765	ug/l	97
60) Dibromochloromethane	11.14	129	644228	146.392	ug/l	99
61) 1,2-Dibromoethane	11.24	107	473991	146.224	ug/l	100
64) Tetrachloroethene	10.87	164	600965	141.723	ug/l	98
65) Chlorobenzene	11.67	112	1806382	141.805	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	698432	147.343	ug/l	98
67) Ethyl Benzene	11.74	91	3343047	145.308	ug/l	99
68) m/p-Xylenes	11.85	106	2534272	290.665	ug/l	100
69) o-Xylene	12.18	106	1177264	152.335	ug/l	99
70) Styrene	12.19	104	2010656	148.186	ug/l	99
71) Bromoform	12.36	173	345795	144.896	ug/l #	98
73) Isopropylbenzene	12.48	105	3175729	146.572	ug/l	99
74) N-amyl acetate	12.29	43	621460	136.543	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	494419	132.817	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	320644m	127.839	ug/l	
77) Bromobenzene	12.76	156	708972	140.625	ug/l	98
78) n-propylbenzene	12.82	91	3694506	140.215	ug/l	100
79) 2-Chlorotoluene	12.91	91	2070515	139.017	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	2641457	144.391	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	157009	137.655	ug/l	94
82) 4-Chlorotoluene	13.01	91	2174587	137.692	ug/l	99
83) tert-Butylbenzene	13.23	119	2247226	148.695	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	2641542	144.413	ug/l	99
85) sec-Butylbenzene	13.40	105	3095479	143.168	ug/l	99
86) p-Isopropyltoluene	13.52	119	2895401	147.398	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	1371108	142.356	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	1325368	138.062	ug/l	99
89) n-Butylbenzene	13.84	91	2667077	143.331	ug/l	99
90) Hexachloroethane	14.11	117	564339	140.496	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	1171675	141.872	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	82532	138.595	ug/l	94

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092220\
 Data File : VD066807.D
 Acq On : 22 Sep 2020 13:05
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 9/23/2020 1:05:03 PM

Quant Time: Sep 22 13:23:59 2020
 Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.17	180	810319	162.107	ug/l	97
94) Hexachlorobutadiene	15.27	225	455231	150.935	ug/l	99
95) Naphthalene	15.41	128	1479100	167.842	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	695530	158.005	ug/l	99

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

