

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080520\
 Data File : VD066127.D
 Acq On : 05 Aug 2020 12:54
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 1:54:29 PM

Quant Time: Aug 05 13:47:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:31:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	343055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	510456	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	470023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	239019	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	462513	150.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.62%	
35) Dibromofluoromethane	7.91	113	470132	144.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.12%	
50) Toluene-d8	10.34	98	1795678	150.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.38%	
62) 4-Bromofluorobenzene	12.64	95	630734	145.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	291.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	401613	125.952	ug/l	99
3) Chloromethane	2.20	50	308333	122.889	ug/l	96
4) Vinyl Chloride	2.34	62	293034	136.457	ug/l	99
5) Bromomethane	2.73	94	175134	119.265	ug/l	99
6) Chloroethane	2.90	64	171072	127.887	ug/l #	89
7) Trichlorofluoromethane	3.26	101	756298	135.200	ug/l	96
8) Diethyl Ether	3.70	74	232589	152.363	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	451005	136.342	ug/l	99
10) Methyl Iodide	4.29	142	496460	244.423	ug/l	97
11) Tert butyl alcohol	5.24	59	155690	426.661	ug/l	97
12) 1,1-Dichloroethene	4.06	96	433480	139.623	ug/l	97
13) Acrolein	3.92	56	177857	717.497	ug/l	100
14) Allyl chloride	4.70	41	666958	143.133	ug/l	100
15) Acrylonitrile	5.41	53	484989	755.583	ug/l	99
16) Acetone	4.15	43	415363	704.337	ug/l	100
17) Carbon Disulfide	4.40	76	1362677	137.874	ug/l	99
18) Methyl Acetate	4.71	43	207255	137.027	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	1043858	150.081	ug/l	99
20) Methylene Chloride	4.96	84	468349	107.676	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	493587	138.119	ug/l	94
22) Diisopropyl ether	6.36	45	1319729	143.311	ug/l	97
23) Vinyl Acetate	6.30	43	3953858	741.906	ug/l	99
24) 1,1-Dichloroethane	6.26	63	801305	139.480	ug/l	99
25) 2-Butanone	7.21	43	607994	696.872	ug/l	96
26) 2,2-Dichloropropane	7.20	77	682051	129.690	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	525234	142.023	ug/l	99
28) Bromochloromethane	7.54	49	287621	143.253	ug/l	98
29) Tetrahydrofuran	7.56	42	391630	738.498	ug/l	100
30) Chloroform	7.71	83	835143	138.124	ug/l	95
31) Cyclohexane	7.98	56	720400	128.605	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	783194	138.431	ug/l	99
36) 1,1-Dichloropropene	8.11	75	663603	134.688	ug/l	99
37) Ethyl Acetate	7.29	43	276257	144.488	ug/l	98
38) Carbon Tetrachloride	8.09	117	742564	135.568	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	839327	143.558	ug/l	99
40) Benzene	8.34	78	1834522	134.177	ug/l	99
41) Methacrylonitrile	7.53	41	182277	167.303	ug/l	91
42) 1,2-Dichloroethane	8.42	62	552158	138.274	ug/l	100
43) Isopropyl Acetate	8.45	43	556964	149.070	ug/l	99
44) Trichloroethene	9.11	130	566977	138.775	ug/l	97
45) 1,2-Dichloropropane	9.38	63	462788	139.819	ug/l	98
46) Dibromomethane	9.47	93	253676	139.391	ug/l	97
47) Bromodichloromethane	9.66	83	673800	140.017	ug/l	98
48) Methyl methacrylate	9.46	41	269096	136.740	ug/l	91
49) 1,4-Dioxane	9.46	88	65084	2788.499	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	1388151	712.971	ug/l	99
52) Toluene	10.40	92	1231378	137.607	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	662280	146.896	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	777551	147.517	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	357265	134.711	ug/l	96
56) Ethyl methacrylate	10.66	69	474960	156.121	ug/l	99
57) 1,3-Dichloropropane	10.94	76	612864	140.522	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	1055759	762.760	ug/l	100
59) 2-Hexanone	10.98	43	969993	712.440	ug/l	99
60) Dibromochloromethane	11.14	129	506132	139.404	ug/l	99
61) 1,2-Dibromoethane	11.24	107	356990	141.954	ug/l	99
64) Tetrachloroethene	10.87	164	505196	137.131	ug/l	98
65) Chlorobenzene	11.67	112	1342819	137.654	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	514318	134.109	ug/l	99
67) Ethyl Benzene	11.74	91	2363599	141.184	ug/l	97
68) m/p-Xylenes	11.86	106	1811566	278.243	ug/l	100
69) o-Xylene	12.18	106	837853	143.019	ug/l	99
70) Styrene	12.20	104	1465179	141.973	ug/l	99
71) Bromoform	12.36	173	313522	138.950	ug/l #	100
73) Isopropylbenzene	12.48	105	2318906	144.142	ug/l	99
74) N-amyl acetate	12.29	43	545820	157.707	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	386298	138.465	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	274915m	138.920	ug/l	
77) Bromobenzene	12.76	156	588414	140.870	ug/l	98
78) n-propylbenzene	12.83	91	2675840	142.393	ug/l	100
79) 2-Chlorotoluene	12.91	91	1527927	141.788	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	1934385	143.541	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	134217	148.498	ug/l	99
82) 4-Chlorotoluene	13.01	91	1601203	140.274	ug/l	99
83) tert-Butylbenzene	13.23	119	1712545	145.174	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	1914879	141.292	ug/l	99
85) sec-Butylbenzene	13.41	105	2301457	143.877	ug/l	99
86) p-Isopropyltoluene	13.52	119	2145822	142.631	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	1079956	135.888	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	1081191	136.931	ug/l	100
89) n-Butylbenzene	13.85	91	1968943	147.563	ug/l	100
90) Hexachloroethane	14.12	117	433001	144.054	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	964888	137.666	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	67684	142.538	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	747016	148.505	ug/l	100
94) Hexachlorobutadiene	15.28	225	430252	144.038	ug/l	98
95) Naphthalene	15.41	128	1300118	163.831	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	655618	147.182	ug/l	99

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

