

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112320\
 Data File : VD067742.D
 Acq On : 23 Nov 2020 13:11
 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
 11/24/2020 2:56:35 PM

Quant Time: Nov 24 00:49:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:34:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	274743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	391584	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	358437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	173567	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	397291	147.14	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	294.28%#
35) Dibromofluoromethane	7.91	113	379952	151.56	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	303.12%#
50) Toluene-d8	10.34	98	1346779	148.02	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	296.04%#
62) 4-Bromofluorobenzene	12.64	95	470077	150.38	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	300.76%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	340515	140.652	ug/l	100
3) Chloromethane	2.21	50	202020	146.828	ug/l	100
4) Vinyl Chloride	2.34	62	248845	144.896	ug/l	97
5) Bromomethane	2.74	94	212224	144.286	ug/l	100
6) Chloroethane	2.91	64	163579	144.284	ug/l	100
7) Trichlorofluoromethane	3.27	101	723100	139.095	ug/l	99
8) Diethyl Ether	3.71	74	153698	146.501	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	339737	137.168	ug/l	99
10) Methyl Iodide	4.30	142	441302	173.658	ug/l	99
11) Tert butyl alcohol	5.22	59	94948	470.850	ug/l #	81
12) 1,1-Dichloroethene	4.07	96	326282	143.238	ug/l	100
13) Acrolein	3.92	56	86661	777.563	ug/l	93
14) Allyl chloride	4.71	41	339335	155.034	ug/l	99
15) Acrylonitrile	5.42	53	265586	746.925	ug/l	98
16) Acetone	4.16	43	258999	724.117	ug/l	96
17) Carbon Disulfide	4.41	76	971097	145.468	ug/l	100
18) Methyl Acetate	4.71	43	104797	151.822	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	755896	155.171	ug/l	98
20) Methylene Chloride	4.97	84	356927	100.660	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	370835	145.442	ug/l	98
22) Diisopropyl ether	6.36	45	649004	150.661	ug/l	95
23) Vinyl Acetate	6.31	43	1967497	804.372	ug/l	98
24) 1,1-Dichloroethane	6.27	63	533813	143.197	ug/l	99
25) 2-Butanone	7.21	43	284312	744.491	ug/l	96
26) 2,2-Dichloropropane	7.21	77	605193	138.650	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	402499	146.270	ug/l	99
28) Bromochloromethane	7.55	49	175677	147.582	ug/l	99
29) Tetrahydrofuran	7.57	42	167772	749.482	ug/l	96
30) Chloroform	7.71	83	675977	139.818	ug/l	99
31) Cyclohexane	7.98	56	423409	131.360	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	718378	139.453	ug/l	99
36) 1,1-Dichloropropene	8.11	75	496200	146.373	ug/l	99
37) Ethyl Acetate	7.30	43	130302	146.323	ug/l	98
38) Carbon Tetrachloride	8.10	117	693778	139.477	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	591574	146.943	ug/l	99
40) Benzene	8.36	78	1309987	140.121	ug/l	98
41) Methacrylonitrile	7.53	41	77798	188.107	ug/l	96
42) 1,2-Dichloroethane	8.43	62	451877	143.872	ug/l	100
43) Isopropyl Acetate	8.46	43	282079	156.545	ug/l	97
44) Trichloroethene	9.11	130	447416	143.542	ug/l	99
45) 1,2-Dichloropropane	9.39	63	272316	143.259	ug/l	98
46) Dibromomethane	9.48	93	186959	146.445	ug/l	96
47) Bromodichloromethane	9.67	83	529775	146.815	ug/l	96
48) Methyl methacrylate	9.46	41	137906	154.500	ug/l	97
49) 1,4-Dioxane	9.47	88	41959	3030.259	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	631004	750.522	ug/l	98
52) Toluene	10.41	92	898654	142.495	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	467740	148.826	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	526183	147.884	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	244760	141.219	ug/l	95
56) Ethyl methacrylate	10.67	69	281212	156.992	ug/l	99
57) 1,3-Dichloropropane	10.95	76	401490	147.897	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	679926	812.796	ug/l	99
59) 2-Hexanone	10.98	43	456397	760.654	ug/l	99
60) Dibromochloromethane	11.14	129	387726	146.758	ug/l	98
61) 1,2-Dibromoethane	11.25	107	250092	145.934	ug/l	100
64) Tetrachloroethene	10.88	164	388701	137.920	ug/l	92
65) Chlorobenzene	11.67	112	995579	140.229	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	413684	145.444	ug/l	98
67) Ethyl Benzene	11.75	91	1777371	145.843	ug/l	99
68) m/p-Xylenes	11.86	106	1367995	287.096	ug/l	100
69) o-Xylene	12.18	106	638765	147.426	ug/l	98
70) Styrene	12.20	104	1068294	142.727	ug/l	99
71) Bromoform	12.36	173	224757	145.142	ug/l #	99
73) Isopropylbenzene	12.48	105	1770494	152.057	ug/l	100
74) N-amyl acetate	12.29	43	246302	163.284	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	230297	148.413	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	175854m	130.004	ug/l	
77) Bromobenzene	12.76	156	429768	148.239	ug/l	98
78) n-propylbenzene	12.83	91	1960965	151.852	ug/l	99
79) 2-Chlorotoluene	12.91	91	1143815	150.552	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	1527263	149.428	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	80658	155.717	ug/l	96
82) 4-Chlorotoluene	13.01	91	1205423	148.676	ug/l	100
83) tert-Butylbenzene	13.23	119	1337707	155.313	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1511527	150.315	ug/l	100
85) sec-Butylbenzene	13.40	105	1722991	151.488	ug/l	100
86) p-Isopropyltoluene	13.52	119	1664506	151.328	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	804321	142.370	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	795852	141.362	ug/l	99
89) n-Butylbenzene	13.84	91	1415072	150.284	ug/l	99
90) Hexachloroethane	14.11	117	322756	153.985	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	703735	144.839	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	48243	146.084	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	522213	151.766	ug/l	99
94) Hexachlorobutadiene	15.27	225	328060	148.632	ug/l	97
95) Naphthalene	15.40	128	899787	161.380	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	448208	153.406	ug/l	99

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

