

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082120\
 Data File : VD066357.D
 Acq On : 21 Aug 2020 13:14
 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
 8/24/2020 4:36:50 PM

Quant Time: Aug 21 13:34:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:03:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	236684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	344146	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	308411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	156130	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	348073	153.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	307.84%	
35) Dibromofluoromethane	7.91	113	319296	147.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.94%	
50) Toluene-d8	10.34	98	1172744	149.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.80%	
62) 4-Bromofluorobenzene	12.63	95	404707	142.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	284.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	262985	124.505	ug/l	99
3) Chloromethane	2.21	50	201096	136.043	ug/l	99
4) Vinyl Chloride	2.34	62	212746	135.755	ug/l	98
5) Bromomethane	2.74	94	161072	136.778	ug/l	97
6) Chloroethane	2.91	64	138865	137.468	ug/l	99
7) Trichlorofluoromethane	3.27	101	589349	138.088	ug/l	100
8) Diethyl Ether	3.71	74	138439	153.786	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	291427	135.967	ug/l	99
10) Methyl Iodide	4.30	142	385757	171.840	ug/l	98
11) Tert butyl alcohol	5.22	59	88006	410.483	ug/l	98
12) 1,1-Dichloroethene	4.07	96	278983	140.791	ug/l	97
13) Acrolein	3.92	56	74534	693.230	ug/l	99
14) Allyl chloride	4.71	41	391681	152.845	ug/l	99
15) Acrylonitrile	5.42	53	272591	726.810	ug/l	98
16) Acetone	4.16	43	299687	708.640	ug/l	96
17) Carbon Disulfide	4.40	76	850331	143.618	ug/l	99
18) Methyl Acetate	4.71	43	112998	142.748	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	688558	150.236	ug/l	93
20) Methylene Chloride	4.96	84	307879	95.864	ug/l	93
21) trans-1,2-Dichloroethene	5.46	96	320525	143.174	ug/l	98
22) Diisopropyl ether	6.36	45	733214	146.589	ug/l	97
23) Vinyl Acetate	6.30	43	2262484	733.215	ug/l	100
24) 1,1-Dichloroethane	6.26	63	514206	145.306	ug/l	99
25) 2-Butanone	7.21	43	333908	684.448	ug/l	98
26) 2,2-Dichloropropane	7.21	77	536784	138.394	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	353289	147.553	ug/l	99
28) Bromochloromethane	7.54	49	183746	151.898	ug/l	98
29) Tetrahydrofuran	7.56	42	196375	724.379	ug/l	98
30) Chloroform	7.70	83	590830	143.314	ug/l	96
31) Cyclohexane	7.98	56	427304	125.481	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	595385	143.896	ug/l	99
36) 1,1-Dichloropropene	8.11	75	442227	135.565	ug/l	98
37) Ethyl Acetate	7.28	43	150104	133.438	ug/l #	89
38) Carbon Tetrachloride	8.09	117	582554	136.874	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	527876	139.044	ug/l	98
40) Benzene	8.34	78	1163319	136.110	ug/l	96
41) Methacrylonitrile	7.52	41	87268m	136.354	ug/l	
42) 1,2-Dichloroethane	8.42	62	420310	142.786	ug/l	99
43) Isopropyl Acetate	8.45	43	313189	146.874	ug/l	100
44) Trichloroethene	9.11	130	379190	135.700	ug/l	98
45) 1,2-Dichloropropane	9.38	63	267990	140.825	ug/l	96
46) Dibromomethane	9.47	93	167575	141.208	ug/l	99
47) Bromodichloromethane	9.66	83	466291	142.101	ug/l	99
48) Methyl methacrylate	9.45	41	154464	137.006	ug/l	98
49) 1,4-Dioxane	9.46	88	35711	2584.671	ug/l	88
51) 4-Methyl-2-Pentanone	10.23	43	718655	677.173	ug/l	100
52) Toluene	10.40	92	799092	138.986	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	443365	145.144	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	492532	142.204	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	215903	135.106	ug/l	96
56) Ethyl methacrylate	10.66	69	272708	147.920	ug/l	98
57) 1,3-Dichloropropane	10.94	76	369458	139.948	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	535070	680.130	ug/l	99
59) 2-Hexanone	10.98	43	512158	679.836	ug/l	98
60) Dibromochloromethane	11.14	129	330054	135.378	ug/l	98
61) 1,2-Dibromoethane	11.24	107	219724	138.351	ug/l	95
64) Tetrachloroethene	10.87	164	333737	139.614	ug/l	96
65) Chlorobenzene	11.67	112	860723	138.278	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	350198	137.018	ug/l	100
67) Ethyl Benzene	11.74	91	1553795	140.244	ug/l	95
68) m/p-Xylenes	11.86	106	1174012	277.449	ug/l	96
69) o-Xylene	12.18	106	548867	141.422	ug/l	99
70) Styrene	12.20	104	947600	141.365	ug/l	99
71) Bromoform	12.36	173	200428	139.222	ug/l #	98
73) Isopropylbenzene	12.48	105	1540582	146.641	ug/l	98
74) N-amyl acetate	12.29	43	278421	147.738	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	210749	138.657	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	150003m	139.871	ug/l	
77) Bromobenzene	12.76	156	384142	140.821	ug/l	100
78) n-propylbenzene	12.82	91	1742005	142.097	ug/l	100
79) 2-Chlorotoluene	12.91	91	998100	144.232	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	1322172	144.079	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	77521	146.588	ug/l	97
82) 4-Chlorotoluene	13.01	91	1048932	142.381	ug/l	99
83) tert-Butylbenzene	13.23	119	1136640	145.649	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1302937	145.246	ug/l	99
85) sec-Butylbenzene	13.40	105	1513011	143.578	ug/l	99
86) p-Isopropyltoluene	13.52	119	1436666	142.713	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	700595	138.758	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	708922	138.154	ug/l	100
89) n-Butylbenzene	13.85	91	1288657	147.058	ug/l	99
90) Hexachloroethane	14.11	117	286034	142.540	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	619137	140.987	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	43006	132.586	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	498029	148.854	ug/l	99
94) Hexachlorobutadiene	15.27	225	309247	146.187	ug/l	97
95) Naphthalene	15.41	128	810546	158.845	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	425733	149.675	ug/l	99

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

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