

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062620\
 Data File : VD065878.D
 Acq On : 26 Jun 2020 12:59
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Jun 26 19:17:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 18:33:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	182278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	293949	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	282479	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	142262	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	262669	139.13	ug/l	0.00
Spiked Amount			Recovery	=	278.26%	
35) Dibromofluoromethane	7.92	113	251301	142.50	ug/l	0.00
Spiked Amount			Recovery	=	285.00%	
50) Toluene-d8	10.34	98	1025347	149.67	ug/l	0.00
Spiked Amount			Recovery	=	299.34%	
62) 4-Bromofluorobenzene	12.64	95	354287	157.30	ug/l	0.00
Spiked Amount			Recovery	=	314.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	210444	122.211	ug/l	98
3) Chloromethane	2.21	50	316301	129.648	ug/l	100
4) Vinyl Chloride	2.35	62	333578	126.004	ug/l	98
5) Bromomethane	2.75	94	213280	123.359	ug/l	96
6) Chloroethane	2.91	64	210941	124.285	ug/l	97
7) Trichlorofluoromethane	3.27	101	454357	133.191	ug/l	96
8) Diethyl Ether	3.71	74	121188	139.476	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	255892	134.042	ug/l	97
10) Methyl Iodide	4.30	142	300048	169.187	ug/l	98
11) Tert butyl alcohol	5.23	59	70297	671.506	ug/l	95
12) 1,1-Dichloroethene	4.07	96	246507	135.987	ug/l	94
13) Acrolein	3.92	56	92417	692.485	ug/l	99
14) Allyl chloride	4.71	41	413546	146.789	ug/l	95
15) Acrylonitrile	5.43	53	270940	716.320	ug/l	100
16) Acetone	4.16	43	267555	717.343	ug/l #	89
17) Carbon Disulfide	4.41	76	814621	136.240	ug/l	100
18) Methyl Acetate	4.71	43	117544	147.802	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	587604	151.255	ug/l	97
20) Methylene Chloride	4.96	84	264783	117.167	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	287028	140.640	ug/l	97
22) Diisopropyl ether	6.36	45	925703	159.483	ug/l	95
23) Vinyl Acetate	6.31	43	2701769	801.299	ug/l	100
24) 1,1-Dichloroethane	6.27	63	494755	140.585	ug/l	99
25) 2-Butanone	7.21	43	374560	756.023	ug/l	100
26) 2,2-Dichloropropane	7.21	77	470121	147.161	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	316627	144.305	ug/l	99
28) Bromochloromethane	7.55	49	194604	150.445	ug/l	97
29) Tetrahydrofuran	7.56	42	243116	792.118	ug/l	96
30) Chloroform	7.71	83	529966	142.655	ug/l	100
31) Cyclohexane	7.98	56	474178	141.497	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	490185	142.074	ug/l	99
36) 1,1-Dichloropropene	8.11	75	418289	144.168	ug/l	98
37) Ethyl Acetate	7.30	43	165574	149.748	ug/l #	96
38) Carbon Tetrachloride	8.10	117	450574	145.866	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	501405	148.082	ug/l	97
40) Benzene	8.35	78	1188310	148.653	ug/l	97
41) Methacrylonitrile	7.54	41	100255m	145.980	ug/l	
42) 1,2-Dichloroethane	8.43	62	332216	142.150	ug/l	100
43) Isopropyl Acetate	8.46	43	331566	154.835	ug/l	97
44) Trichloroethene	9.11	130	301570	141.718	ug/l	100
45) 1,2-Dichloropropane	9.39	63	273012	141.540	ug/l	97
46) Dibromomethane	9.48	93	150428	144.754	ug/l	99
47) Bromodichloromethane	9.66	83	415132	146.705	ug/l	97
48) Methyl methacrylate	9.46	41	153741	146.920	ug/l	96
49) 1,4-Dioxane	9.47	88	32461	2807.490	ug/l #	91
51) 4-Methyl-2-Pentanone	10.23	43	884306	818.111	ug/l	100
52) Toluene	10.41	92	818484	159.522	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	412409	157.908	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	466453	149.268	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	213705	153.276	ug/l	91
56) Ethyl methacrylate	10.66	69	285732	165.392	ug/l	96
57) 1,3-Dichloropropane	10.95	76	370523	149.874	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	595893	788.003	ug/l	100
59) 2-Hexanone	10.99	43	606750	794.025	ug/l	98
60) Dibromochloromethane	11.14	129	293905	156.292	ug/l	99
61) 1,2-Dibromoethane	11.25	107	209245	154.384	ug/l	100
64) Tetrachloroethene	10.88	164	256789	139.821	ug/l	98
65) Chlorobenzene	11.67	112	821898	147.529	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	306380	148.456	ug/l	98
67) Ethyl Benzene	11.75	91	1575899	152.554	ug/l	100
68) m/p-Xylenes	11.86	106	1205638	305.962	ug/l	99
69) o-Xylene	12.18	106	546393	154.729	ug/l	99
70) Styrene	12.20	104	963673	155.932	ug/l	100
71) Bromoform	12.37	173	159160	144.766	ug/l #	100
73) Isopropylbenzene	12.48	105	1522864	149.688	ug/l	99
74) N-amyl acetate	12.29	43	339624	152.879	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	239712	142.915	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	184463m	156.402	ug/l	
77) Bromobenzene	12.77	156	326392	142.530	ug/l	96
78) n-propylbenzene	12.83	91	1819462	148.092	ug/l	100
79) 2-Chlorotoluene	12.91	91	1001694	148.374	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	1271989	150.048	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	86035	150.192	ug/l	95
82) 4-Chlorotoluene	13.01	91	1075200	148.099	ug/l	98
83) tert-Butylbenzene	13.23	119	1082590	150.251	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1266066	150.080	ug/l	100
85) sec-Butylbenzene	13.41	105	1514906	148.814	ug/l	99
86) p-Isopropyltoluene	13.52	119	1399543	149.730	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	641568	143.833	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	624283	139.994	ug/l	100
89) n-Butylbenzene	13.85	91	1339998	147.865	ug/l	99
90) Hexachloroethane	14.12	117	265359	140.805	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	556513	142.778	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	38282	142.483	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	348151	138.258	ug/l	100
94) Hexachlorobutadiene	15.27	225	193783	139.876	ug/l	97
95) Naphthalene	15.41	128	667060	152.159	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	297735	143.112	ug/l	97

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

