

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041520\
 Data File : VD065637.D
 Acq On : 15 Apr 2020 16:00
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 3:13:38 PM

Quant Time: Apr 15 19:00:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 18:47:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	259913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	354754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	334704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	171392	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	208673	85.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	170.62%	
35) Dibromofluoromethane	7.92	113	219810	90.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	180.52%	
50) Toluene-d8	10.34	98	840599	94.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.66%	
62) 4-Bromofluorobenzene	12.64	95	281279	97.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	215327	92.897	ug/l	97
3) Chloromethane	2.21	50	226182	79.945	ug/l	100
4) Vinyl Chloride	2.35	62	246236	91.907	ug/l	98
5) Bromomethane	2.76	94	135626	74.097	ug/l	96
6) Chloroethane	2.91	64	143407	86.940	ug/l	100
7) Trichlorofluoromethane	3.27	101	339755	84.055	ug/l	100
8) Diethyl Ether	3.70	74	73324	88.299	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	162310	65.077	ug/l	98
10) Methyl Iodide	4.29	142	307602	125.597	ug/l	94
11) Tert butyl alcohol	5.24	59	58337	495.434	ug/l	98
12) 1,1-Dichloroethene	4.06	96	149146	65.048	ug/l	99
13) Acrolein	3.92	56	51886	316.653	ug/l	98
14) Allyl chloride	4.71	41	361731	106.258	ug/l	91
15) Acrylonitrile	5.43	53	243636	511.499	ug/l	99
16) Acetone	4.16	43	145505	343.136	ug/l	98
17) Carbon Disulfide	4.40	76	734552	96.342	ug/l	100
18) Methyl Acetate	4.72	43	122317	99.208	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	479147	106.110	ug/l	99
20) Methylene Chloride	4.96	84	237629	86.432	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	253397	97.223	ug/l	96
22) Diisopropyl ether	6.36	45	716789	101.066	ug/l	96
23) Vinyl Acetate	6.31	43	2010951	531.611	ug/l	99
24) 1,1-Dichloroethane	6.26	63	416311	89.269	ug/l	99
25) 2-Butanone	7.22	43	295490	477.666	ug/l	99
26) 2,2-Dichloropropane	7.21	77	364717	87.802	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	269760	94.763	ug/l	98
28) Bromochloromethane	7.55	49	164503	86.811	ug/l	99
29) Tetrahydrofuran	7.57	42	198318	506.859	ug/l	99
30) Chloroform	7.71	83	420746	86.316	ug/l	100
31) Cyclohexane	7.98	56	401260	92.169	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	383783	87.538	ug/l	99
36) 1,1-Dichloropropene	8.11	75	345632	96.147	ug/l	99
37) Ethyl Acetate	7.30	43	137651	98.850	ug/l	99
38) Carbon Tetrachloride	8.10	117	360616	92.337	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	432310	106.240	ug/l	99
40) Benzene	8.35	78	982020	95.319	ug/l	99
41) Methacrylonitrile	7.53	41	73244	92.826	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	264431	90.758	ug/l	100
43) Isopropyl Acetate	8.46	43	260538	103.880	ug/l	99
44) Trichloroethene	9.11	130	272238	92.500	ug/l	95
45) 1,2-Dichloropropane	9.39	63	241148	95.392	ug/l	99
46) Dibromomethane	9.48	93	125128	91.833	ug/l	97
47) Bromodichloromethane	9.67	83	330172	92.857	ug/l	97
48) Methyl methacrylate	9.46	41	128257	107.236	ug/l	97
49) 1,4-Dioxane	9.47	88	29932	2019.859	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	673297	516.875	ug/l	99
52) Toluene	10.41	92	629657	96.968	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	321584	100.812	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	383657	98.898	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	174049	90.431	ug/l	99
56) Ethyl methacrylate	10.67	69	220412	113.084	ug/l	99
57) 1,3-Dichloropropane	10.95	76	302390	94.884	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	531450	523.766	ug/l	99
59) 2-Hexanone	10.99	43	463252	532.672	ug/l	98
60) Dibromochloromethane	11.14	129	232120	91.358	ug/l	99
61) 1,2-Dibromoethane	11.25	107	171550	93.722	ug/l	100
64) Tetrachloroethene	10.88	164	237086	91.170	ug/l	99
65) Chlorobenzene	11.67	112	662584	93.292	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	251416	93.031	ug/l	99
67) Ethyl Benzene	11.75	91	1195909	102.211	ug/l	99
68) m/p-Xylenes	11.86	106	925792	201.269	ug/l	99
69) o-Xylene	12.18	106	418907	105.295	ug/l	100
70) Styrene	12.20	104	743521	105.588	ug/l	100
71) Bromoform	12.37	173	141921	91.923	ug/l #	100
73) Isopropylbenzene	12.48	105	1137169	106.622	ug/l	100
74) N-amyl acetate	12.30	43	241437	110.348	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	187411	93.366	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	151918m	107.683	ug/l	
77) Bromobenzene	12.77	156	281653	95.665	ug/l	99
78) n-propylbenzene	12.83	91	1330665	103.204	ug/l	99
79) 2-Chlorotoluene	12.91	91	741985	100.233	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	940118	104.006	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	68401	113.639	ug/l	95
82) 4-Chlorotoluene	13.01	91	778438	97.354	ug/l	98
83) tert-Butylbenzene	13.23	119	799304	106.808	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	945062	105.483	ug/l	100
85) sec-Butylbenzene	13.41	105	1117623	104.049	ug/l	99
86) p-Isopropyltoluene	13.53	119	1053384	106.351	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	537321	94.231	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	523484	91.867	ug/l	99
89) n-Butylbenzene	13.86	91	961471	107.122	ug/l	99
90) Hexachloroethane	14.12	117	202703	93.486	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	459055	94.327	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	29066	93.124	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	339251	105.471	ug/l	97
94) Hexachlorobutadiene	15.28	225	217639	97.594	ug/l	99
95) Naphthalene	15.41	128	544596	115.177	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	289740	102.852	ug/l	100

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

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