

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102119\
 Data File : VN058882.D
 Acq On : 21 Oct 2019 12:55
 Operator : JC/SP
 Sample : K5452-08MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0422MS

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 4:55:29 PM

Quant Time: Oct 22 04:17:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	442117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	718092	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	655140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	315013	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	329254	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
35) Dibromofluoromethane	7.57	113	240862	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
50) Toluene-d8	10.08	98	934818	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.40	95	343305	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	260754	47.304	ug/l	99
3) Chloromethane	2.04	50	324297	47.502	ug/l	98
4) Vinyl Chloride	2.17	62	335487	49.492	ug/l	99
5) Bromomethane	2.54	94	203884	48.031	ug/l	96
6) Chloroethane	2.68	64	206182	47.431	ug/l	99
7) Trichlorofluoromethane	3.00	101	398314	47.490	ug/l	99
8) Diethyl Ether	3.39	74	147268	50.809	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	222221	47.792	ug/l	98
10) Methyl Iodide	3.93	142	303279	49.592	ug/l	100
11) Tert butyl alcohol	4.75	59	255816	237.737	ug/l	99
12) 1,1-Dichloroethene	3.72	96	218078	50.036	ug/l	98
13) Acrolein	3.58	56	181125	244.976	ug/l	99
14) Allyl chloride	4.30	41	441482	50.058	ug/l	99
15) Acrylonitrile	4.96	53	687076	253.843	ug/l	100
16) Acetone	3.79	43	609061	190.084	ug/l	100
17) Carbon Disulfide	4.03	76	677772	48.275	ug/l	100
18) Methyl Acetate	4.30	43	340924	46.800	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	790143	51.774	ug/l	100
20) Methylene Chloride	4.53	84	258905	47.321	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	239722	49.804	ug/l	97
22) Diisopropyl ether	5.93	45	897188	52.009	ug/l	96
23) Vinyl Acetate	5.87	43	3823486	275.873	ug/l	99
24) 1,1-Dichloroethane	5.82	63	491039	49.091	ug/l	100
25) 2-Butanone	6.81	43	952540	229.011	ug/l	98
26) 2,2-Dichloropropane	6.80	77	422465	48.829	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	276107	50.215	ug/l	100
28) Bromochloromethane	7.18	49	162874	48.892	ug/l	100
29) Tetrahydrofuran	7.19	42	638788	251.054	ug/l	100
30) Chloroform	7.35	83	480004	47.839	ug/l	100
31) Cyclohexane	7.63	56	444950	47.749	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	419840	49.642	ug/l	99
36) 1,1-Dichloropropene	7.78	75	362520	49.311	ug/l	99
37) Ethyl Acetate	6.91	43	407750	50.901	ug/l	100
38) Carbon Tetrachloride	7.75	117	365577	48.269	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	420834	50.980	ug/l	98
40) Benzene	8.02	78	1079331	49.996	ug/l	99
41) Methacrylonitrile	7.16	41	167337m	46.902	ug/l	
42) 1,2-Dichloroethane	8.11	62	396543	47.684	ug/l	100
43) Isopropyl Acetate	8.15	43	644695	50.182	ug/l	99
44) Trichloroethene	8.82	130	256418	48.759	ug/l	99
45) 1,2-Dichloropropane	9.11	63	295833	49.973	ug/l	99
46) Dibromomethane	9.20	93	182502	48.766	ug/l	99
47) Bromodichloromethane	9.39	83	380350	49.311	ug/l	98
48) Methyl methacrylate	9.19	41	300257	51.512	ug/l	99
49) 1,4-Dioxane	9.19	88	87640	915.925	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1995418	265.914	ug/l	99
52) Toluene	10.15	92	656829	51.306	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	436201	51.085	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	454225	49.791	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	255915	48.525	ug/l	98
56) Ethyl methacrylate	10.43	69	409812	46.416	ug/l	100
57) 1,3-Dichloropropane	10.70	76	456960	49.367	ug/l	99
59) 2-Hexanone	10.75	43	1490886	257.112	ug/l	99
60) Dibromochloromethane	10.90	129	283406	49.925	ug/l	99
61) 1,2-Dibromoethane	11.00	107	270227	50.068	ug/l	99
64) Tetrachloroethene	10.63	164	229225	49.960	ug/l	99
65) Chlorobenzene	11.43	112	688581	51.626	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	256734	51.009	ug/l	99
67) Ethyl Benzene	11.51	91	1273807	54.442	ug/l	99
68) m/p-Xylenes	11.62	106	937517	108.047	ug/l	100
69) o-Xylene	11.95	106	448698	54.220	ug/l	99
70) Stvrene	11.96	104	746133	48.885	ug/l	100
71) Bromoform	12.13	173	201786	51.702	ug/l #	99
73) Isopropylbenzene	12.25	105	1219430	52.969	ug/l	99
74) N-amyl acetate	12.07	43	572157	54.820	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	395921	48.910	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	344860m	47.236	ug/l	
77) Bromobenzene	12.53	156	287846	50.727	ug/l	99
78) n-propylbenzene	12.59	91	1444467	53.081	ug/l	100
79) 2-Chlorotoluene	12.68	91	851396	51.119	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1034584	53.488	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	143631	51.251	ug/l	99
82) 4-Chlorotoluene	12.78	91	881721	51.804	ug/l	100
83) tert-Butylbenzene	13.00	119	884666	53.486	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1039590	54.491	ug/l	99
85) sec-Butylbenzene	13.17	105	1189617	53.945	ug/l	99
86) p-Isopropyltoluene	13.29	119	1070518	55.017	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	517740	51.028	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	514163	50.615	ug/l	99
89) n-Butylbenzene	13.62	91	947473	53.008	ug/l	99
90) Hexachloroethane	13.88	117	198744	50.406	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	504301	50.569	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	86901	47.464	ug/l	99
93) 1,2,4-Trichlorobenzene	14.91	180	287759	46.047	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	152192	47.085	ug/l	99
95) Naphthalene	15.13	128	830601	46.209	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	279317	45.908	ug/l	99

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

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