

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057045.D
 Acq On : 1 Aug 2019 18:17
 Operator : JC/SP
 Sample : K4097-07MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500MS

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 11:18:06 AM

Quant Time: Aug 02 06:49:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	440742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	660287	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	586879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	248058	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	255220	56.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.14%	
35) Dibromofluoromethane	7.58	113	237467	56.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.36%	
50) Toluene-d8	10.08	98	882429	54.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.48%	
62) 4-Bromofluorobenzene	12.40	95	288621	55.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	233160	52.329	ug/l	99
3) Chloromethane	2.05	50	258923	48.529	ug/l	99
4) Vinyl Chloride	2.18	62	240641	48.101	ug/l	98
5) Bromomethane	2.54	94	142006	45.659	ug/l	98
6) Chloroethane	2.69	64	132820	48.161	ug/l	100
7) Trichlorofluoromethane	3.00	101	341253	52.109	ug/l	98
8) Diethyl Ether	3.40	74	126866	51.762	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	200272	49.326	ug/l	99
10) Methyl Iodide	3.94	142	289777	53.411	ug/l	99
11) Tert butyl alcohol	4.77	59	159000	260.730	ug/l #	87
12) 1,1-Dichloroethene	3.72	96	196981	50.846	ug/l	98
13) Acrolein	3.59	56	88946	284.679	ug/l	98
14) Allyl chloride	4.31	41	309951	49.184	ug/l	98
15) Acrylonitrile	4.97	53	487108	272.379	ug/l	99
16) Acetone	3.81	43	367071	224.582	ug/l	99
17) Carbon Disulfide	4.04	76	476825	46.319	ug/l	100
18) Methyl Acetate	4.31	43	246833	47.340	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	622881	53.922	ug/l	99
20) Methylene Chloride	4.54	84	229578	48.762	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	207494	50.431	ug/l	99
22) Diisopropyl ether	5.94	45	666869	51.360	ug/l	99
23) Vinyl Acetate	5.88	43	2187296	243.134	ug/l	99
24) 1,1-Dichloroethane	5.83	63	395188	51.586	ug/l	99
25) 2-Butanone	6.82	43	584698	252.279	ug/l	99
26) 2,2-Dichloropropane	6.81	77	258625	44.399	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	247949	50.952	ug/l	98
28) Bromochloromethane	7.18	49	177807	49.378	ug/l	98
29) Tetrahydrofuran	7.20	42	400237	264.680	ug/l	98
30) Chloroform	7.36	83	393530	50.242	ug/l	99
31) Cyclohexane	7.64	56	338749	45.695	ug/l	98
32) 1,1,1-Trichloroethane	7.56	97	332615	53.222	ug/l	98
36) 1,1-Dichloropropene	7.78	75	283783	48.843	ug/l	100
37) Ethyl Acetate	6.91	43	229242	49.264	ug/l	98
38) Carbon Tetrachloride	7.76	117	288250	52.449	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	344241	46.358	ug/l	98
40) Benzene	8.03	78	897283	50.141	ug/l	98
41) Methacrylonitrile	7.16	41	104046	48.367	ug/l	94
42) 1,2-Dichloroethane	8.11	62	289180	51.561	ug/l	99
43) Isopropyl Acetate	8.16	43	384571	50.002	ug/l	99
44) Trichloroethene	8.82	130	248844	50.474	ug/l	99
45) 1,2-Dichloropropane	9.11	63	237724	49.665	ug/l	99
46) Dibromomethane	9.20	93	154520	53.529	ug/l	99
47) Bromodichloromethane	9.39	83	296838	52.302	ug/l	98
48) Methyl methacrylate	9.19	41	195575	52.669	ug/l	97
49) 1,4-Dioxane	9.19	88	83139	1086.459	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1201726	262.970	ug/l	100
52) Toluene	10.15	92	550158	51.170	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	301279	51.155	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	342936	50.080	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	219448	50.895	ug/l	98
56) Ethyl methacrylate	10.42	69	318963	49.020	ug/l	98
57) 1,3-Dichloropropane	10.70	76	368226	51.501	ug/l	99
59) 2-Hexanone	10.74	43	847248	240.843	ug/l	100
60) Dibromochloromethane	10.90	129	239332	54.179	ug/l	97
61) 1,2-Dibromoethane	11.00	107	231019	54.903	ug/l	98
64) Tetrachloroethene	10.63	164	256912	50.799	ug/l	98
65) Chlorobenzene	11.43	112	600269	50.184	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	233847	51.942	ug/l	99
67) Ethyl Benzene	11.51	91	1039806	50.298	ug/l	99
68) m/p-Xylenes	11.62	106	785673	102.978	ug/l	99
69) o-Xylene	11.94	106	384315	51.487	ug/l	99
70) Styrene	11.96	104	634850	48.189	ug/l	99
71) Bromoform	12.12	173	170418	54.218	ug/l	99
73) Isopropylbenzene	12.25	105	1022468	47.694	ug/l	99
74) N-amyl acetate	12.07	43	295059	47.400	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	286949	53.114	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	257345m	51.084	ug/l	
77) Bromobenzene	12.52	156	271837	48.584	ug/l	98
78) n-propylbenzene	12.59	91	1091687	47.692	ug/l	99
79) 2-Chlorotoluene	12.67	91	661780	46.952	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	852260	48.437	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	78652	50.164	ug/l	98
82) 4-Chlorotoluene	12.77	91	643354	48.774	ug/l	99
83) tert-Butylbenzene	12.99	119	759096	48.735	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	823914	48.666	ug/l	100
85) sec-Butylbenzene	13.17	105	946507	47.111	ug/l	100
86) p-Isopropyltoluene	13.29	119	859714	48.198	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	416483	48.935	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	398968	48.694	ug/l	99
89) n-Butylbenzene	13.61	91	628663	45.730	ug/l	100
90) Hexachloroethane	13.87	117	152322	49.593	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	420062	50.147	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45191	52.999	ug/l	98
93) 1,2,4-Trichlorobenzene	14.91	180	169639	39.839	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.00	225	151173	51.784	ug/l	97
95) Naphthalene	15.12	128	435197	41.916	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	190293	43.841	ug/l	99

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

