

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080519\
 Data File : VN057072.D
 Acq On : 5 Aug 2019 10:45
 Operator : JC/SP
 Sample : VN0805WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0805WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/7/2019 4:09:45 AM

Quant Time: Aug 06 01:29:18 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	482594	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	685500	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	597290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	220791	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	212248	42.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.92%	
35) Dibromofluoromethane	7.58	113	194425	44.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.60%	
50) Toluene-d8	10.08	98	713560	42.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.28%	
62) 4-Bromofluorobenzene	12.40	95	224852	41.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	98700	20.231	ug/l	99
3) Chloromethane	2.05	50	105692	18.091	ug/l	100
4) Vinyl Chloride	2.18	62	99206	18.110	ug/l	97
5) Bromomethane	2.55	94	66435	19.508	ug/l	96
6) Chloroethane	2.69	64	56209	18.614	ug/l	99
7) Trichlorofluoromethane	3.00	101	147430	20.560	ug/l	97
8) Diethyl Ether	3.40	74	53611	19.977	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	90342	20.321	ug/l	98
10) Methyl Iodide	3.94	142	81322	13.689	ug/l	98
11) Tert butyl alcohol	4.77	59	62235	93.203	ug/l	99
12) 1,1-Dichloroethene	3.72	96	83741	19.741	ug/l	97
13) Acrolein	3.60	56	18631	52.410	ug/l	92
14) Allyl chloride	4.31	41	131987	19.128	ug/l	99
15) Acrylonitrile	4.97	53	184962	94.457	ug/l	99
16) Acetone	3.80	43	173458	96.922	ug/l	100
17) Carbon Disulfide	4.04	76	195348	17.331	ug/l	99
18) Methyl Acetate	4.31	43	107060	18.752	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	255192	20.176	ug/l	98
20) Methylene Chloride	4.54	84	98218	19.052	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	87351	19.389	ug/l	95
22) Diisopropyl ether	5.93	45	283198	19.919	ug/l	98
23) Vinyl Acetate	5.88	43	932198	94.634	ug/l	99
24) 1,1-Dichloroethane	5.83	63	165342	19.711	ug/l	99
25) 2-Butanone	6.82	43	234395	92.364	ug/l	97
26) 2,2-Dichloropropane	6.81	77	127696	20.021	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	105107	19.726	ug/l	99
28) Bromochloromethane	7.18	49	76701	19.453	ug/l	97
29) Tetrahydrofuran	7.20	42	149348	90.200	ug/l	99
30) Chloroform	7.36	83	169729	19.790	ug/l	97
31) Cyclohexane	7.64	56	147383	18.157	ug/l	92
32) 1,1,1-Trichloroethane	7.56	97	142601	20.839	ug/l	98
36) 1,1-Dichloropropene	7.78	75	118821	19.699	ug/l	99
37) Ethyl Acetate	6.91	43	94028	19.463	ug/l	99
38) Carbon Tetrachloride	7.76	117	120113	21.052	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	149707	19.419	ug/l	99
40) Benzene	8.03	78	379160	20.409	ug/l	99
41) Methacrylonitrile	7.17	41	50798	22.745	ug/l #	85
42) 1,2-Dichloroethane	8.11	62	120872	20.759	ug/l	100
43) Isopropyl Acetate	8.15	43	151805	19.012	ug/l	98
44) Trichloroethene	8.82	130	105013	20.517	ug/l	100
45) 1,2-Dichloropropane	9.11	63	100315	20.187	ug/l	99
46) Dibromomethane	9.20	93	63166	21.077	ug/l	97
47) Bromodichloromethane	9.39	83	124032	21.050	ug/l	100
48) Methyl methacrylate	9.19	41	74293	19.272	ug/l	97
49) 1,4-Dioxane	9.19	88	31795	400.214	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	458103	96.558	ug/l	100
52) Toluene	10.15	92	232746	20.851	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	125791	20.573	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	146578	20.618	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	91357	20.409	ug/l	97
56) Ethyl methacrylate	10.42	69	121417	19.089	ug/l	100
57) 1,3-Dichloropropane	10.70	76	154650	20.834	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	192491	71.759	ug/l	98
59) 2-Hexanone	10.74	43	320375	89.311	ug/l	100
60) Dibromochloromethane	10.90	129	98552	21.489	ug/l	100
61) 1,2-Dibromoethane	11.00	107	90795	20.784	ug/l	99
64) Tetrachloroethene	10.62	164	107965	20.976	ug/l	98
65) Chlorobenzene	11.43	112	250261	20.558	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	97350	21.246	ug/l	98
67) Ethyl Benzene	11.50	91	430662	20.469	ug/l	99
68) m/p-Xylenes	11.62	106	323511	41.664	ug/l	99
69) o-Xylene	11.94	106	157751	20.766	ug/l	100
70) Styrene	11.96	104	250983	19.861	ug/l	99
71) Bromoform	12.12	173	66187	20.690	ug/l #	100
73) Isopropylbenzene	12.25	105	430701	22.571	ug/l	99
74) N-amyl acetate	12.07	43	112495	20.304	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	115747	22.599	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	96760m	21.579	ug/l	
77) Bromobenzene	12.52	156	107907	21.667	ug/l	98
78) n-propylbenzene	12.59	91	447798	21.979	ug/l	99
79) 2-Chlorotoluene	12.67	91	273182	21.775	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	361800	23.102	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	28581	20.480	ug/l	94
82) 4-Chlorotoluene	12.77	91	252621	21.517	ug/l	98
83) tert-Butylbenzene	12.99	119	321446	23.186	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	346434	22.990	ug/l	99
85) sec-Butylbenzene	13.17	105	400077	22.372	ug/l	99
86) p-Isopropyltoluene	13.29	119	355480	22.390	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	160060	21.129	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	146080	20.031	ug/l	98
89) n-Butylbenzene	13.61	91	253178	20.691	ug/l	98
90) Hexachloroethane	13.87	117	60454	22.114	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	162708	21.823	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14699	19.368	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	52007	15.500	ug/l	98
94) Hexachlorobutadiene	15.01	225	71473	25.839	ug/l	99
95) Naphthalene	15.12	128	118852	15.348	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	60801	17.052	ug/l	97

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

