

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072719\
 Data File : VN056944.D
 Acq On : 26 Jul 2019 15:57
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN072719

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 9:13:31 AM

Quant Time: Jul 27 01:01:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:47:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	636989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	928088	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	821634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	359332	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	304426	46.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.38%	
35) Dibromofluoromethane	7.58	113	286287	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
50) Toluene-d8	10.08	98	1081419	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	
62) 4-Bromofluorobenzene	12.40	95	359143	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	328006	50.936	ug/l	96
3) Chloromethane	2.05	50	390868	50.689	ug/l	100
4) Vinyl Chloride	2.18	62	344191	47.603	ug/l	100
5) Bromomethane	2.54	94	202781	45.112	ug/l	100
6) Chloroethane	2.69	64	184828	46.372	ug/l	100
7) Trichlorofluoromethane	3.00	101	459388	48.536	ug/l	100
8) Diethyl Ether	3.40	74	176940	49.951	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	283259	48.271	ug/l	99
10) Methyl Iodide	3.94	142	296610	37.828	ug/l	99
11) Tert butyl alcohol	4.77	59	221252	251.035	ug/l	97
12) 1,1-Dichloroethene	3.72	96	275521	49.208	ug/l	99
13) Acrolein	3.59	56	95364	210.532	ug/l	97
14) Allyl chloride	4.31	41	445894	48.957	ug/l	99
15) Acrylonitrile	4.97	53	653603	252.880	ug/l	98
16) Acetone	3.80	43	601667	254.703	ug/l	99
17) Carbon Disulfide	4.04	76	698530	46.950	ug/l	100
18) Methyl Acetate	4.31	43	357413	47.429	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	835600	50.051	ug/l	99
20) Methylene Chloride	4.54	84	302149	44.404	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	288028	48.437	ug/l	98
22) Diisopropyl ether	5.93	45	913318	48.670	ug/l	98
23) Vinyl Acetate	5.88	43	3335495	256.538	ug/l	99
24) 1,1-Dichloroethane	5.83	63	529446	47.819	ug/l	99
25) 2-Butanone	6.82	43	855540	255.413	ug/l	98
26) 2,2-Dichloropropane	6.81	77	412929	49.049	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	335659	47.725	ug/l	99
28) Bromochloromethane	7.18	49	246136	47.295	ug/l	99
29) Tetrahydrofuran	7.19	42	554717	253.822	ug/l	99
30) Chloroform	7.36	83	519234	45.867	ug/l	99
31) Cyclohexane	7.64	56	500436	46.708	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	437869	48.478	ug/l	98
36) 1,1-Dichloropropene	7.78	75	401306	49.140	ug/l	100
37) Ethyl Acetate	6.91	43	341759	52.251	ug/l	99
38) Carbon Tetrachloride	7.76	117	381886	49.437	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	517348	49.566	ug/l	99
40) Benzene	8.03	78	1206733	47.975	ug/l	99
41) Methacrylonitrile	7.16	41	160426	53.056	ug/l	90
42) 1,2-Dichloroethane	8.11	62	374714	47.533	ug/l	99
43) Isopropyl Acetate	8.15	43	545344	50.445	ug/l	99
44) Trichloroethene	8.82	130	335744	48.450	ug/l	100
45) 1,2-Dichloropropane	9.11	63	325179	48.333	ug/l	100
46) Dibromomethane	9.20	93	199663	49.210	ug/l	99
47) Bromodichloromethane	9.39	83	392490	49.201	ug/l	98
48) Methyl methacrylate	9.19	41	264996	50.772	ug/l	99
49) 1,4-Dioxane	9.19	88	110704	1029.237	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1647985	256.565	ug/l	100
52) Toluene	10.15	92	738265	48.852	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	423665	51.179	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	492658	51.185	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	294362	48.570	ug/l	98
56) Ethyl methacrylate	10.42	69	425934	46.659	ug/l	100
57) 1,3-Dichloropropane	10.70	76	487269	48.486	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	912175	251.166	ug/l	99
59) 2-Hexanone	10.74	43	1177508	238.167	ug/l	99
60) Dibromochloromethane	10.89	129	314152	50.595	ug/l	98
61) 1,2-Dibromoethane	11.00	107	302113	51.081	ug/l	99
64) Tetrachloroethene	10.62	164	316829	44.747	ug/l	98
65) Chlorobenzene	11.43	112	800653	47.812	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	305337	48.444	ug/l	99
67) Ethyl Benzene	11.50	91	1414063	48.858	ug/l	99
68) m/p-Xylenes	11.61	106	1060922	99.325	ug/l	98
69) o-Xylene	11.94	106	508176	48.629	ug/l	100
70) Styrene	11.96	104	857975	46.583	ug/l	99
71) Bromoform	12.12	173	223838	50.866	ug/l #	99
73) Isopropylbenzene	12.24	105	1370852	44.143	ug/l	100
74) N-amyl acetate	12.06	43	432663	47.982	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	390102	49.682	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	324444m	44.460	ug/l	
77) Bromobenzene	12.52	156	354996	43.799	ug/l	100
78) n-propylbenzene	12.58	91	1521590	45.888	ug/l	99
79) 2-Chlorotoluene	12.67	91	898443	44.003	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1156528	45.376	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	113063	49.780	ug/l	100
82) 4-Chlorotoluene	12.77	91	878972	46.002	ug/l	100
83) tert-Butylbenzene	12.99	119	1000040	44.322	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	1138145	46.408	ug/l	99
85) sec-Butylbenzene	13.17	105	1318666	45.310	ug/l	100
86) p-Isopropyltoluene	13.28	119	1195537	46.269	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	581494	47.165	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	563129	47.446	ug/l	99
89) n-Butylbenzene	13.61	91	969804	48.700	ug/l	99
90) Hexachloroethane	13.87	117	202256	45.459	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	573922	47.298	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	61717	49.967	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	304724	48.752	ug/l	100
94) Hexachlorobutadiene	15.00	225	225098	53.328	ug/l	99
95) Naphthalene	15.12	128	697207	45.977	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	301896	47.819	ug/l	99

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

