

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072319\
 Data File : VN056874.D
 Acq On : 23 Jul 2019 13:23
 Operator : JC/SP
 Sample : VN0723WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0723WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/24/2019 1:14:04 PM

Quant Time: Jul 24 01:45:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 01:46:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	339713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	517986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	454663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	181259	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	187618	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
35) Dibromofluoromethane	7.59	113	167127	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
50) Toluene-d8	10.09	98	636340	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
62) 4-Bromofluorobenzene	12.40	95	202750	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	86266	20.509	ug/l	100
3) Chloromethane	2.06	50	99872	21.065	ug/l	99
4) Vinyl Chloride	2.19	62	94110	21.607	ug/l	100
5) Bromomethane	2.55	94	54828	20.696	ug/l	99
6) Chloroethane	2.70	64	49578	20.771	ug/l	100
7) Trichlorofluoromethane	3.01	101	110965	20.854	ug/l	99
8) Diethyl Ether	3.40	74	41169	20.765	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	68868	20.928	ug/l	98
10) Methyl Iodide	3.94	142	91769	19.914	ug/l	99
11) Tert butyl alcohol	4.81	59	59928	116.423	ug/l	97
12) 1,1-Dichloroethene	3.73	96	68444	20.761	ug/l	97
13) Acrolein	3.60	56	37877	88.437	ug/l	100
14) Allyl chloride	4.32	41	111229	20.522	ug/l	100
15) Acrylonitrile	4.99	53	167922	108.415	ug/l	100
16) Acetone	3.82	43	139572	106.963	ug/l	96
17) Carbon Disulfide	4.04	76	177638	19.742	ug/l	100
18) Methyl Acetate	4.33	43	95932	21.378	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	203897	20.934	ug/l	97
20) Methylene Chloride	4.55	84	79999	20.503	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	71335	20.715	ug/l	93
22) Diisopropyl ether	5.96	45	237062	21.635	ug/l	98
23) Vinyl Acetate	5.90	43	836667	105.707	ug/l	100
24) 1,1-Dichloroethane	5.84	63	134443	21.178	ug/l	99
25) 2-Butanone	6.84	43	210669	109.838	ug/l	99
26) 2,2-Dichloropropane	6.82	77	95369	21.469	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	81694	20.693	ug/l	98
28) Bromochloromethane	7.19	49	59533	20.659	ug/l	100
29) Tetrahydrofuran	7.22	42	144096	109.271	ug/l	99
30) Chloroform	7.37	83	132854	20.876	ug/l	97
31) Cyclohexane	7.65	56	124913	20.281	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	108166	21.010	ug/l	99
36) 1,1-Dichloropropene	7.79	75	97567	20.425	ug/l	99
37) Ethyl Acetate	6.93	43	85256	22.132	ug/l	99
38) Carbon Tetrachloride	7.77	117	92182	20.271	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	122024	20.414	ug/l	99
40) Benzene	8.04	78	308894	20.818	ug/l	100
41) Methacrylonitrile	7.17	41	41813	21.861	ug/l	94
42) 1,2-Dichloroethane	8.12	62	98621	21.272	ug/l	99
43) Isopropyl Acetate	8.17	43	138609	20.931	ug/l	99
44) Trichloroethene	8.83	130	82878	20.855	ug/l	99
45) 1,2-Dichloropropane	9.12	63	82420	20.619	ug/l	98
46) Dibromomethane	9.21	93	51309	20.796	ug/l	99
47) Bromodichloromethane	9.40	83	97883	21.096	ug/l	96
48) Methyl methacrylate	9.20	41	70772	21.363	ug/l	98
49) 1,4-Dioxane	9.20	88	28010	431.044	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	426890	108.099	ug/l	100
52) Toluene	10.15	92	188460	21.107	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	98998	20.789	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	115755	20.619	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	74659	21.067	ug/l	99
56) Ethyl methacrylate	10.43	69	105283	21.400	ug/l	99
57) 1,3-Dichloropropane	10.71	76	121993	20.796	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	203796	91.674	ug/l	100
59) 2-Hexanone	10.75	43	293585	107.403	ug/l	99
60) Dibromochloromethane	10.90	129	75800	21.315	ug/l	98
61) 1,2-Dibromoethane	11.00	107	74932	21.290	ug/l	98
64) Tetrachloroethene	10.63	164	85155	21.832	ug/l	98
65) Chlorobenzene	11.43	112	198541	21.013	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	73998	20.774	ug/l	99
67) Ethyl Benzene	11.51	91	342961	21.027	ug/l	99
68) m/p-Xylenes	11.62	106	257923	42.239	ug/l	100
69) o-Xylene	11.94	106	124297	20.852	ug/l	97
70) Styrene	11.96	104	203898	19.809	ug/l	99
71) Bromoform	12.12	173	51312	20.787	ug/l #	100
73) Isopropylbenzene	12.25	105	331135	21.975	ug/l	100
74) N-amyl acetate	12.07	43	107950	20.284	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	99558	23.386	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	82616m	21.993	ug/l	
77) Bromobenzene	12.53	156	87013	22.008	ug/l	99
78) n-propylbenzene	12.59	91	357703	21.470	ug/l	99
79) 2-Chlorotoluene	12.67	91	218957	22.136	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	278330	21.969	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	25284	21.558	ug/l	97
82) 4-Chlorotoluene	12.77	91	204647	20.646	ug/l	99
83) tert-Butylbenzene	12.99	119	241988	22.130	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	270985	21.580	ug/l	99
85) sec-Butylbenzene	13.17	105	310028	21.009	ug/l	100
86) p-Isopropyltoluene	13.29	119	275730	20.974	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	132324	20.879	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	124840	20.276	ug/l	99
89) n-Butylbenzene	13.61	91	210532	20.829	ug/l	100
90) Hexachloroethane	13.87	117	47558	20.721	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	135250	21.232	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	14134	20.379	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	52668	18.242	ug/l	98
94) Hexachlorobutadiene	15.00	225	49381	21.773	ug/l	99
95) Naphthalene	15.13	128	137904	18.126	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	60621	18.953	ug/l	98

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

