

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082419\
 Data File : VN057477.D
 Acq On : 23 Aug 2019 17:29
 Operator : JC/SP
 Sample : VN0824WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/26/2019 1:13:06 PM

Quant Time: Aug 26 05:28:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	346313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	634865	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	547528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	172811	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	333972	54.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.64%	
35) Dibromofluoromethane	7.57	113	223367	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
50) Toluene-d8	10.09	98	843375	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
62) 4-Bromofluorobenzene	12.40	95	264753	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	80278	19.644	ug/l	94
3) Chloromethane	2.05	50	115367	19.765	ug/l	99
4) Vinyl Chloride	2.17	62	142525	20.061	ug/l	98
5) Bromomethane	2.55	94	92814	21.199	ug/l	96
6) Chloroethane	2.69	64	92326	20.203	ug/l	98
7) Trichlorofluoromethane	3.00	101	219201	19.877	ug/l	97
8) Diethyl Ether	3.39	74	82104	21.298	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	121189	21.458	ug/l	99
10) Methyl Iodide	3.92	142	86887	19.296	ug/l #	96
11) Tert butyl alcohol	4.78	59	67267	88.869	ug/l #	82
12) 1,1-Dichloroethene	3.71	96	117486	19.931	ug/l	96
13) Acrolein	3.58	56	60257	90.534	ug/l	99
14) Allyl chloride	4.29	41	154829	19.853	ug/l	98
15) Acrylonitrile	4.97	53	203282	99.586	ug/l	96
16) Acetone	3.80	43	338736	121.076	ug/l	94
17) Carbon Disulfide	4.02	76	203082	18.061	ug/l	99
18) Methyl Acetate	4.30	43	122183	19.658	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	267866	18.825	ug/l	96
20) Methylene Chloride	4.52	84	85020	20.452	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	76519	18.395	ug/l	95
22) Diisopropyl ether	5.93	45	335234	20.044	ug/l	98
23) Vinyl Acetate	5.87	43	1247599	95.506	ug/l	100
24) 1,1-Dichloroethane	5.82	63	173803	19.609	ug/l	97
25) 2-Butanone	6.82	43	287233	94.548	ug/l	97
26) 2,2-Dichloropropane	6.81	77	144918	18.880	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	94556	19.176	ug/l	100
28) Bromochloromethane	7.18	49	103462	21.676	ug/l	93
29) Tetrahydrofuran	7.20	42	193481	96.585	ug/l	98
30) Chloroform	7.36	83	167095	20.362	ug/l	99
31) Cyclohexane	7.63	56	171728	20.067	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	142532	18.746	ug/l	98
36) 1,1-Dichloropropene	7.78	75	122229	18.842	ug/l	99
37) Ethyl Acetate	6.91	43	121387	18.937	ug/l	99
38) Carbon Tetrachloride	7.75	117	114694	17.797	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	151441	19.656	ug/l	97
40) Benzene	8.03	78	371310	19.070	ug/l	97
41) Methacrylonitrile	7.16	41	55058	18.013	ug/l	99
42) 1,2-Dichloroethane	8.11	62	146711	19.570	ug/l	99
43) Isopropyl Acetate	8.16	43	216835	18.448	ug/l	100
44) Trichloroethene	8.82	130	83616	19.239	ug/l	99
45) 1,2-Dichloropropane	9.11	63	105128	19.172	ug/l	96
46) Dibromomethane	9.20	93	61859	19.014	ug/l	99
47) Bromodichloromethane	9.40	83	130074	17.980	ug/l	99
48) Methyl methacrylate	9.19	41	107435	19.222	ug/l	100
49) 1,4-Dioxane	9.19	88	26248	363.168	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	619783	94.616	ug/l	99
52) Toluene	10.15	92	217577	19.389	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	134526	17.753	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	153939	18.246	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	83498	18.399	ug/l	96
56) Ethyl methacrylate	10.43	69	132443	18.553	ug/l	97
57) 1,3-Dichloropropane	10.70	76	151041	19.123	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	236010	127.667	ug/l	97
59) 2-Hexanone	10.75	43	426268	94.876	ug/l	98
60) Dibromochloromethane	10.90	129	86679	18.074	ug/l	98
61) 1,2-Dibromoethane	11.00	107	83736	18.813	ug/l	100
64) Tetrachloroethene	10.63	164	76179	19.887	ug/l	93
65) Chlorobenzene	11.43	112	209200	18.901	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	79319	18.686	ug/l	98
67) Ethyl Benzene	11.51	91	406826	18.990	ug/l	99
68) m/p-Xylenes	11.62	106	274716	37.707	ug/l	100
69) o-Xylene	11.95	106	139476	19.325	ug/l	99
70) Styrene	11.96	104	215025	18.815	ug/l	98
71) Bromoform	12.13	173	47466	16.542	ug/l #	99
73) Isopropylbenzene	12.25	105	367220	21.711	ug/l	99
74) N-amyl acetate	12.07	43	172703	22.024	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	111297	23.136	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	105052m	25.644	ug/l	
77) Bromobenzene	12.53	156	74168	21.668	ug/l	99
78) n-propylbenzene	12.59	91	398390	21.244	ug/l	97
79) 2-Chlorotoluene	12.67	91	238580	21.310	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	298869	21.785	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	32255	18.815	ug/l	97
82) 4-Chlorotoluene	12.77	91	221024	20.343	ug/l	99
83) tert-Butylbenzene	12.99	119	257202	22.138	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	286566	21.330	ug/l	97
85) sec-Butylbenzene	13.17	105	327425	21.419	ug/l	100
86) p-Isopropyltoluene	13.29	119	269629	19.961	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	110532	19.802	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	103674	18.965	ug/l	96
89) n-Butylbenzene	13.62	91	230974	20.206	ug/l	99
90) Hexachloroethane	13.88	117	53914	19.139	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	109016	20.459	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15140	18.015	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	29259	17.485	ug/l	96
94) Hexachlorobutadiene	15.01	225	34269	23.537	ug/l	99
95) Naphthalene	15.13	128	96729	17.188	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	32194	18.531	ug/l	98

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

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