

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
 Data File : VN055911.D
 Acq On : 31 May 2019 11:47
 Operator : JC/SP
 Sample : VN0531WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/3/2019 4:12:08 PM

Quant Time: Jun 03 08:24:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	297959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	443844	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	391677	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	157576	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	166995	54.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.54%	
35) Dibromofluoromethane	7.59	113	145817	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
50) Toluene-d8	10.09	98	541309	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.40	95	179713	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	38021	18.960	ug/l	99
3) Chloromethane	2.06	50	54600	19.433	ug/l	99
4) Vinyl Chloride	2.18	62	58607	19.557	ug/l	100
5) Bromomethane	2.52	94	41997m	22.401	ug/l	
6) Chloroethane	2.68	64	37509	20.790	ug/l	100
7) Trichlorofluoromethane	3.00	101	80905	20.593	ug/l	96
8) Diethyl Ether	3.40	74	37254	21.156	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	52026	21.214	ug/l	98
10) Methyl Iodide	3.94	142	71417	19.918	ug/l	99
11) Tert butyl alcohol	4.82	59	75860m	129.029	ug/l	
12) 1,1-Dichloroethene	3.72	96	51237	20.219	ug/l	96
13) Acrolein	3.60	56	28918	68.692	ug/l	97
14) Allyl chloride	4.31	41	85753	19.740	ug/l	99
15) Acrylonitrile	4.99	53	152851	113.220	ug/l	100
16) Acetone	3.82	43	154894	114.514	ug/l	98
17) Carbon Disulfide	4.04	76	112063	15.565	ug/l	98
18) Methyl Acetate	4.33	43	70656	25.064	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	180695	21.380	ug/l	98
20) Methylene Chloride	4.54	84	61828	21.107	ug/l	100
21) trans-1,2-Dichloroethene	5.03	96	53980	19.828	ug/l	98
22) Diisopropyl ether	5.96	45	183496	21.718	ug/l	98
23) Vinyl Acetate	5.90	43	763835	105.441	ug/l	100
24) 1,1-Dichloroethane	5.84	63	103119	20.962	ug/l	99
25) 2-Butanone	6.84	43	214785	113.701	ug/l	100
26) 2,2-Dichloropropane	6.82	77	82592	19.399	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	67440	21.233	ug/l	99
28) Bromochloromethane	7.19	49	52768	22.529	ug/l	98
29) Tetrahydrofuran	7.22	42	135942	113.638	ug/l	100
30) Chloroform	7.37	83	104345	21.269	ug/l	99
31) Cyclohexane	7.65	56	94498	20.460	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	88136	20.132	ug/l	99
36) 1,1-Dichloropropene	7.79	75	74120	19.163	ug/l	100
37) Ethyl Acetate	6.93	43	82695	22.121	ug/l	99
38) Carbon Tetrachloride	7.77	117	72644	18.030	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	93332	19.486	ug/l	98
40) Benzene	8.04	78	242876	20.835	ug/l	99
41) Methacrylonitrile	7.17	41	34716	18.382	ug/l	91
42) 1,2-Dichloroethane	8.12	62	81392	21.368	ug/l	99
43) Isopropyl Acetate	8.17	43	128000	20.379	ug/l #	92
44) Trichloroethene	8.83	130	66849	20.570	ug/l	97
45) 1,2-Dichloropropane	9.12	63	64467	21.226	ug/l	96
46) Dibromomethane	9.21	93	42467	21.321	ug/l	98
47) Bromodichloromethane	9.40	83	78870	19.311	ug/l	97
48) Methyl methacrylate	9.20	41	62719	21.666	ug/l	98
49) 1,4-Dioxane	9.20	88	26174	435.101	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	406172	109.492	ug/l	100
52) Toluene	10.15	92	151311	20.638	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	81644	18.727	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	92872	19.229	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	63495	21.618	ug/l	99
56) Ethyl methacrylate	10.43	69	93401	20.577	ug/l	98
57) 1,3-Dichloropropane	10.71	76	102237	21.415	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	164276	94.700	ug/l	100
59) 2-Hexanone	10.75	43	285512	108.493	ug/l	99
60) Dibromochloromethane	10.90	129	61738	18.044	ug/l	98
61) 1,2-Dibromoethane	11.00	107	64096	21.039	ug/l	99
64) Tetrachloroethene	10.63	164	65242	19.749	ug/l	98
65) Chlorobenzene	11.43	112	159702	20.368	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	59663	19.078	ug/l	99
67) Ethyl Benzene	11.51	91	284990	20.268	ug/l	99
68) m/p-Xylenes	11.62	106	213697	40.201	ug/l	99
69) o-Xylene	11.95	106	108885	20.646	ug/l	98
70) Styrene	11.96	104	169848	19.887	ug/l	98
71) Bromoform	12.13	173	42729	16.019	ug/l #	96
73) Isopropylbenzene	12.25	105	283600	23.909	ug/l	100
74) N-amyl acetate	12.07	43	100788	22.361	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	86921	24.493	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	72181m	25.030	ug/l	
77) Bromobenzene	12.53	156	72987	21.706	ug/l	99
78) n-propylbenzene	12.59	91	292921	21.388	ug/l	99
79) 2-Chlorotoluene	12.67	91	185937	23.873	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	231713	23.186	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21256	18.150	ug/l	88
82) 4-Chlorotoluene	12.77	91	172781	21.462	ug/l	99
83) tert-Butylbenzene	12.99	119	208688	24.016	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	225429	22.652	ug/l	98
85) sec-Butylbenzene	13.17	105	262957	23.540	ug/l	99
86) p-Isopropyltoluene	13.29	119	233376	21.326	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	111749	20.988	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	104521	20.648	ug/l	99
89) n-Butylbenzene	13.61	91	167091	19.928	ug/l	99
90) Hexachloroethane	13.87	117	37648	18.075	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	114283	21.514	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13190	18.891	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	46627	17.783	ug/l	99
94) Hexachlorobutadiene	15.01	225	40323	20.491	ug/l	99
95) Naphthalene	15.13	128	134388	18.436	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	54631	19.455	ug/l	98

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

