

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011619\
 Data File : VN053416.D
 Acq On : 16 Jan 2019 11:14
 Operator : JC/SP
 Sample : VN0116WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/17/2019 9:41:22 AM

Quant Time: Jan 17 04:07:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	800219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1221354	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1114888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	539764	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	416415	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
35) Dibromofluoromethane	7.59	113	364087	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
50) Toluene-d8	10.09	98	1501650	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.40	95	524490	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	128164	19.920	ug/l	98
3) Chloromethane	2.06	50	187995	20.437	ug/l	98
4) Vinyl Chloride	2.19	62	180969	20.409	ug/l	100
5) Bromomethane	2.57	94	124489	20.461	ug/l	95
6) Chloroethane	2.71	64	107902	20.127	ug/l	97
7) Trichlorofluoromethane	3.03	101	237553	20.482	ug/l	99
8) Diethyl Ether	3.41	74	91369	20.975	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	150461	20.484	ug/l	99
10) Methyl Iodide	3.96	142	229025	20.404	ug/l	99
11) Tert butyl alcohol	4.78	59	49478	127.843	ug/l	98
12) 1,1-Dichloroethene	3.74	96	146777	20.602	ug/l	99
13) Acrolein	3.61	56	71440	108.731	ug/l	98
14) Allyl chloride	4.33	41	227312	19.643	ug/l	95
15) Acrylonitrile	4.99	53	288584	113.302	ug/l	100
16) Acetone	3.81	43	201134	108.388	ug/l	99
17) Carbon Disulfide	4.06	76	432081	20.055	ug/l	99
18) Methyl Acetate	4.32	43	136298	21.800	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	413035	21.819	ug/l	99
20) Methylene Chloride	4.56	84	172736	20.389	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	157745	20.710	ug/l	97
22) Diisopropyl ether	5.95	45	515472	21.337	ug/l	99
23) Vinyl Acetate	5.90	43	1642469	110.600	ug/l	100
24) 1,1-Dichloroethane	5.85	63	296854	20.786	ug/l	100
25) 2-Butanone	6.83	43	324878	113.608	ug/l	99
26) 2,2-Dichloropropane	6.83	77	219482	20.355	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	184370	21.168	ug/l	100
28) Bromochloromethane	7.19	49	133593	21.233	ug/l	98
29) Tetrahydrofuran	7.21	42	211701	113.718	ug/l	98
30) Chloroform	7.37	83	293416	21.087	ug/l	99
31) Cyclohexane	7.66	56	281120	20.093	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	246738	20.903	ug/l	99
36) 1,1-Dichloropropene	7.80	75	223303	20.076	ug/l	99
37) Ethyl Acetate	6.93	43	141786	22.156	ug/l	99
38) Carbon Tetrachloride	7.78	117	214856	20.403	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	272033	19.787	ug/l	99
40) Benzene	8.04	78	689255	20.392	ug/l	99
41) Methacrylonitrile	7.17	41	82178	21.990	ug/l	94
42) 1,2-Dichloroethane	8.12	62	207634	21.086	ug/l	100
43) Isopropyl Acetate	8.16	43	254105	22.083	ug/l	100
44) Trichloroethene	8.84	130	191185	20.396	ug/l	99
45) 1,2-Dichloropropane	9.12	63	183828	20.533	ug/l	99
46) Dibromomethane	9.21	93	108532	21.100	ug/l	99
47) Bromodichloromethane	9.40	83	220912	20.422	ug/l	99
48) Methyl methacrylate	9.20	41	127831	21.516	ug/l	98
49) 1,4-Dioxane	9.20	88	26497	456.657	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	719575	114.554	ug/l	100
52) Toluene	10.16	92	427152	20.356	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	227681	20.766	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	266375	20.725	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	156691	21.658	ug/l	98
56) Ethyl methacrylate	10.43	69	202607	20.979	ug/l	99
57) 1,3-Dichloropropane	10.71	76	266525	21.296	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	545926	107.864	ug/l	100
59) 2-Hexanone	10.75	43	497693	112.867	ug/l	99
60) Dibromochloromethane	10.90	129	171039	20.844	ug/l	100
61) 1,2-Dibromoethane	11.01	107	156530	21.393	ug/l	98
64) Tetrachloroethene	10.63	164	209010	19.893	ug/l	98
65) Chlorobenzene	11.43	112	483031	20.469	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	166499	20.281	ug/l	100
67) Ethyl Benzene	11.51	91	814059	20.241	ug/l	99
68) m/p-Xylenes	11.62	106	630627	41.531	ug/l	99
69) o-Xylene	11.95	106	306412	20.767	ug/l	99
70) Styrene	11.96	104	503102	21.010	ug/l	99
71) Bromoform	12.13	173	121335	21.468	ug/l #	99
73) Isopropylbenzene	12.25	105	808441	20.453	ug/l	99
74) N-amyl acetate	12.07	43	227961	21.634	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	180651	21.792	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	160822m	22.609	ug/l	
77) Bromobenzene	12.53	156	213539	20.502	ug/l	99
78) n-propylbenzene	12.59	91	934644	20.599	ug/l	99
79) 2-Chlorotoluene	12.68	91	553114	20.566	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	671029	20.865	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	54318	20.880	ug/l	97
82) 4-Chlorotoluene	12.77	91	565466	20.618	ug/l	99
83) tert-Butylbenzene	12.99	119	588998	20.736	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	677482	20.892	ug/l	100
85) sec-Butylbenzene	13.17	105	800690	20.554	ug/l	100
86) p-Isopropyltoluene	13.29	119	696108	20.580	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	375223	20.480	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	375604	20.438	ug/l	98
89) n-Butylbenzene	13.62	91	582969	20.219	ug/l	99
90) Hexachloroethane	13.88	117	107835	20.328	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	361191	21.429	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26017	24.751	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	156382	22.630	ug/l	99
94) Hexachlorobutadiene	15.01	225	118170	22.474	ug/l	99
95) Naphthalene	15.13	128	274532	23.321	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	117731	23.849	ug/l	98

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

