

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055500.D
 Acq On : 9 May 2019 16:29
 Operator : JC/SP
 Sample : VN0509WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 12:43:45 PM

Quant Time: May 10 04:37:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 04:17:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	670080	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1197499	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1028513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	402702	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	523838	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
35) Dibromofluoromethane	7.59	113	396137	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
50) Toluene-d8	10.09	98	1527935	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.40	95	503525	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	136657	20.031	ug/l	98
3) Chloromethane	2.06	50	226868	20.469	ug/l	98
4) Vinyl Chloride	2.19	62	214963	20.546	ug/l	99
5) Bromomethane	2.55	94	125274	21.854	ug/l	100
6) Chloroethane	2.70	64	131762	21.621	ug/l	97
7) Trichlorofluoromethane	3.01	101	241352	21.028	ug/l	97
8) Diethyl Ether	3.41	74	109136	21.172	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	147473	20.195	ug/l	98
10) Methyl Iodide	3.94	142	211477	21.427	ug/l	98
11) Tert butyl alcohol	4.81	59	145233	97.493	ug/l	99
12) 1,1-Dichloroethene	3.73	96	152457	20.817	ug/l	96
13) Acrolein	3.61	56	104953	105.712	ug/l	98
14) Allyl chloride	4.32	41	295651	19.707	ug/l	99
15) Acrylonitrile	5.00	53	473783	102.712	ug/l	100
16) Acetone	3.82	43	398687	85.343	ug/l	98
17) Carbon Disulfide	4.05	76	394096	19.716	ug/l	98
18) Methyl Acetate	4.33	43	196523	19.369	ug/l	97
19) Methyl tert-butyl Ether	5.06	73	504023	20.712	ug/l	97
20) Methylene Chloride	4.55	84	191041	19.999	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	163578	20.601	ug/l	98
22) Diisopropyl ether	5.96	45	635244	20.837	ug/l	94
23) Vinyl Acetate	5.90	43	2419823	102.637	ug/l	100
24) 1,1-Dichloroethane	5.85	63	339559	20.633	ug/l	99
25) 2-Butanone	6.84	43	631679	97.886	ug/l	97
26) 2,2-Dichloropropane	6.83	77	189196	18.442	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	191297	20.846	ug/l	100
28) Bromochloromethane	7.19	49	183764	21.502	ug/l	98
29) Tetrahydrofuran	7.22	42	429992	100.792	ug/l	99
30) Chloroform	7.37	83	318562	20.939	ug/l	98
31) Cyclohexane	7.65	56	324766	19.945	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	238998	20.629	ug/l	99
36) 1,1-Dichloropropene	7.79	75	240373	20.375	ug/l	99
37) Ethyl Acetate	6.94	43	254615	19.785	ug/l	99
38) Carbon Tetrachloride	7.78	117	194010	19.530	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	276053	19.191	ug/l	99
40) Benzene	8.04	78	757659	20.693	ug/l	100
41) Methacrylonitrile	7.18	41	113401	18.986	ug/l	91
42) 1,2-Dichloroethane	8.13	62	259141	20.145	ug/l	99
43) Isopropyl Acetate	8.17	43	386524	19.770	ug/l	98
44) Trichloroethene	8.84	130	179627	20.618	ug/l	94
45) 1,2-Dichloropropane	9.12	63	210771	20.119	ug/l	98
46) Dibromomethane	9.21	93	124287	20.468	ug/l	99
47) Bromodichloromethane	9.40	83	231296	19.910	ug/l	100
48) Methyl methacrylate	9.20	41	186603	19.809	ug/l	100
49) 1,4-Dioxane	9.20	88	74085	403.520	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1249455	97.169	ug/l	99
52) Toluene	10.16	92	428880	20.489	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	219245	19.650	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	261787	19.636	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	169516	19.988	ug/l	98
56) Ethyl methacrylate	10.43	69	243813	19.327	ug/l	99
57) 1,3-Dichloropropane	10.71	76	304621	20.232	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	307363	81.268	ug/l	99
59) 2-Hexanone	10.75	43	862615	95.658	ug/l	100
60) Dibromochloromethane	10.90	129	153655	19.927	ug/l	99
61) 1,2-Dibromoethane	11.01	107	165683	20.333	ug/l	100
64) Tetrachloroethene	10.63	164	175547	20.830	ug/l	98
65) Chlorobenzene	11.43	112	430267	20.334	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	151581	20.808	ug/l	98
67) Ethyl Benzene	11.51	91	795040	20.005	ug/l	99
68) m/p-Xylenes	11.62	106	588571	41.268	ug/l	99
69) o-Xylene	11.95	106	290731	20.740	ug/l	98
70) Styrene	11.96	104	465918	20.746	ug/l	100
71) Bromoform	12.13	173	97261	19.785	ug/l #	100
73) Isopropylbenzene	12.25	105	762074	21.524	ug/l	99
74) N-amyl acetate	12.07	43	287420	18.799	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	240114	20.813	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	199582m	18.205	ug/l	
77) Bromobenzene	12.53	156	173748	19.578	ug/l	98
78) n-propylbenzene	12.59	91	840005	19.448	ug/l	100
79) 2-Chlorotoluene	12.67	91	520707	19.344	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	637482	19.794	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	53058	17.858	ug/l	92
82) 4-Chlorotoluene	12.77	91	490272	19.276	ug/l	98
83) tert-Butylbenzene	12.99	119	546979	19.814	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	591977	20.042	ug/l	99
85) sec-Butylbenzene	13.17	105	717475	19.556	ug/l	99
86) p-Isopropyltoluene	13.29	119	581939	19.490	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	272001	19.835	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	265367	19.608	ug/l	98
89) n-Butylbenzene	13.61	91	428533	18.516	ug/l	99
90) Hexachloroethane	13.87	117	90883	18.659	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	272696	19.896	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34148	18.440	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	84583	16.470	ug/l	96
94) Hexachlorobutadiene	15.01	225	87049	20.068	ug/l	99
95) Naphthalene	15.13	128	233052	16.002	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	95663	16.509	ug/l	98

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

