

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055504.D
 Acq On : 9 May 2019 18:09
 Operator : JC/SP
 Sample : VN0509WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 12:43:53 PM

Quant Time: May 10 04:49:13 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	7.67	168	707701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1260830	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1086754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	411468	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	550246	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
35) Dibromofluoromethane	7.59	113	416014	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
50) Toluene-d8	10.09	98	1628449	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
62) 4-Bromofluorobenzene	12.40	95	522859	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	137585	19.095	ug/l	97
3) Chloromethane	2.06	50	223116	19.061	ug/l	99
4) Vinyl Chloride	2.19	62	221624	20.057	ug/l	98
5) Bromomethane	2.55	94	76599	12.652	ug/l	97
6) Chloroethane	2.70	64	135017	20.978	ug/l	99
7) Trichlorofluoromethane	3.02	101	251151	20.719	ug/l	99
8) Diethyl Ether	3.41	74	113497	20.848	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	154218	19.996	ug/l	99
10) Methyl Iodide	3.95	142	107380	10.301	ug/l	99
11) Tert butyl alcohol	4.82	59	136512	86.767	ug/l	99
12) 1,1-Dichloroethene	3.73	96	159062	20.565	ug/l	99
13) Acrolein	3.61	56	88632	84.528	ug/l	99
14) Allyl chloride	4.32	41	302956	19.121	ug/l	98
15) Acrylonitrile	4.99	53	485327	99.621	ug/l	100
16) Acetone	3.82	43	395072	80.073	ug/l	99
17) Carbon Disulfide	4.05	76	423520	20.062	ug/l	99
18) Methyl Acetate	4.33	43	206077	19.223	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	523176	20.356	ug/l	98
20) Methylene Chloride	4.55	84	198892	19.714	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	172197	20.534	ug/l	91
22) Diisopropyl ether	5.96	45	655644	20.363	ug/l	95
23) Vinyl Acetate	5.90	43	2519582	101.187	ug/l	100
24) 1,1-Dichloroethane	5.85	63	354534	20.398	ug/l	99
25) 2-Butanone	6.84	43	635605	93.258	ug/l	98
26) 2,2-Dichloropropane	6.83	77	188341	17.383	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	203163	20.962	ug/l	97
28) Bromochloromethane	7.20	49	202886	22.477	ug/l	97
29) Tetrahydrofuran	7.22	42	438189	97.253	ug/l	99
30) Chloroform	7.37	83	324935	20.223	ug/l	97
31) Cyclohexane	7.65	56	340361	19.792	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	251870	20.585	ug/l	100
36) 1,1-Dichloropropene	7.79	75	244393	19.675	ug/l	98
37) Ethyl Acetate	6.93	43	261419	19.293	ug/l	99
38) Carbon Tetrachloride	7.77	117	204624	19.564	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	286677	18.929	ug/l	98
40) Benzene	8.04	78	782864	20.307	ug/l	99
41) Methacrylonitrile	7.18	41	117900	18.747	ug/l	91
42) 1,2-Dichloroethane	8.13	62	270061	19.940	ug/l	98
43) Isopropyl Acetate	8.17	43	403575	19.605	ug/l	99
44) Trichloroethene	8.84	130	181346	19.770	ug/l	97
45) 1,2-Dichloropropane	9.12	63	221664	20.096	ug/l	100
46) Dibromomethane	9.21	93	126333	19.759	ug/l	97
47) Bromodichloromethane	9.40	83	240200	19.638	ug/l	98
48) Methyl methacrylate	9.20	41	191249	19.283	ug/l	100
49) 1,4-Dioxane	9.20	88	67328	348.296	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1281525	94.657	ug/l	100
52) Toluene	10.16	92	449046	20.375	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	225937	19.233	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	277478	19.767	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	179392	20.090	ug/l	98
56) Ethyl methacrylate	10.43	69	254556	19.165	ug/l	99
57) 1,3-Dichloropropane	10.71	76	320815	20.237	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	342627	85.306	ug/l	100
59) 2-Hexanone	10.75	43	869330	91.560	ug/l	99
60) Dibromochloromethane	10.90	129	160591	19.780	ug/l	99
61) 1,2-Dibromoethane	11.00	107	169439	19.749	ug/l	98
64) Tetrachloroethene	10.63	164	168778	18.953	ug/l	95
65) Chlorobenzene	11.43	112	451084	20.175	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	155226	20.166	ug/l	99
67) Ethyl Benzene	11.51	91	825269	19.653	ug/l	100
68) m/p-Xylenes	11.62	106	603151	40.024	ug/l	99
69) o-Xylene	11.95	106	305342	20.615	ug/l	96
70) Styrene	11.96	104	481055	20.272	ug/l	99
71) Bromoform	12.13	173	102771	19.786	ug/l #	99
73) Isopropylbenzene	12.25	105	784619	21.709	ug/l	100
74) N-amyl acetate	12.07	43	302985	19.395	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	256854	21.910	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	237173m	21.173	ug/l	
77) Bromobenzene	12.53	156	180561	19.912	ug/l	95
78) n-propylbenzene	12.59	91	872248	19.764	ug/l	99
79) 2-Chlorotoluene	12.67	91	535284	19.462	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	647676	19.682	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	48623	16.017	ug/l	90
82) 4-Chlorotoluene	12.77	91	507709	19.536	ug/l	99
83) tert-Butylbenzene	12.99	119	563680	19.984	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	604264	20.022	ug/l	99
85) sec-Butylbenzene	13.17	105	728281	19.428	ug/l	99
86) p-Isopropyltoluene	13.29	119	599945	19.665	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	284734	20.321	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	272587	19.712	ug/l	99
89) n-Butylbenzene	13.61	91	433410	18.328	ug/l	99
90) Hexachloroethane	13.87	117	93868	18.862	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	285899	20.415	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34794	18.389	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	90384	17.078	ug/l	98
94) Hexachlorobutadiene	15.01	225	90280	20.406	ug/l	99
95) Naphthalene	15.13	128	250460	16.679	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	104725	17.515	ug/l	98

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

