

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055830.D
 Acq On : 25 May 2019 6:19
 Operator : JC/SP
 Sample : K3037-08MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2-R1-1MSD

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 10:36:54 AM

Quant Time: May 26 23:26:01 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	347570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	509479	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	452508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	207853	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	182494	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
35) Dibromofluoromethane	7.59	113	166341	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
50) Toluene-d8	10.09	98	626213	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
62) 4-Bromofluorobenzene	12.40	95	217816	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	110867	47.396	ug/l	100
3) Chloromethane	2.06	50	159182	48.569	ug/l	99
4) Vinyl Chloride	2.19	62	167141	47.814	ug/l	98
5) Bromomethane	2.54	94	115892	52.993	ug/l	99
6) Chloroethane	2.69	64	106930	50.807	ug/l	100
7) Trichlorofluoromethane	3.01	101	224510	48.988	ug/l	99
8) Diethyl Ether	3.40	74	99292	48.339	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	138762	48.504	ug/l	98
10) Methyl Iodide	3.94	142	216034	51.651	ug/l	100
11) Tert butyl alcohol	4.81	59	147175	214.597	ug/l	99
12) 1,1-Dichloroethene	3.72	96	145261	49.142	ug/l	98
13) Acrolein	3.60	56	97601	198.749	ug/l	97
14) Allyl chloride	4.31	41	226093	44.617	ug/l	100
15) Acrylonitrile	4.99	53	387637	246.147	ug/l	100
16) Acetone	3.82	43	318596	201.920	ug/l	100
17) Carbon Disulfide	4.04	76	378661	45.088	ug/l	100
18) Methyl Acetate	4.33	43	123961	38.350	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	482406	48.932	ug/l	99
20) Methylene Chloride	4.55	84	169400	49.575	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	156262	49.205	ug/l	97
22) Diisopropyl ether	5.96	45	478305	48.529	ug/l	96
23) Vinyl Acetate	5.90	43	1529913	181.047	ug/l	100
24) 1,1-Dichloroethane	5.85	63	277805	48.411	ug/l	100
25) 2-Butanone	6.84	43	491925	223.240	ug/l	98
26) 2,2-Dichloropropane	6.82	77	136268	27.438	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	191785	51.764	ug/l	94
28) Bromochloromethane	7.19	49	139125	50.921	ug/l	97
29) Tetrahydrofuran	7.22	42	329177	235.892	ug/l	99
30) Chloroform	7.37	83	283680	49.570	ug/l	99
31) Cyclohexane	7.65	56	254542	47.246	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	249274	48.811	ug/l	99
36) 1,1-Dichloropropene	7.79	75	210058	47.312	ug/l	100
37) Ethyl Acetate	6.93	43	162445	37.856	ug/l	99
38) Carbon Tetrachloride	7.77	117	218827	47.316	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	254813	46.346	ug/l	98
40) Benzene	8.04	78	658826	49.236	ug/l	100
41) Methacrylonitrile	7.17	41	90881	41.921	ug/l	89
42) 1,2-Dichloroethane	8.12	62	212129	48.515	ug/l	100
43) Isopropyl Acetate	8.17	43	293882	40.761	ug/l #	91
44) Trichloroethene	8.83	130	187575	50.283	ug/l	98
45) 1,2-Dichloropropane	9.12	63	170760	48.980	ug/l	98
46) Dibromomethane	9.21	93	115225	50.396	ug/l	97
47) Bromodichloromethane	9.40	83	225687	48.139	ug/l	99
48) Methyl methacrylate	9.20	41	167182	50.313	ug/l	99
49) 1,4-Dioxane	9.20	88	65093	942.667	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1034223	242.879	ug/l	99
52) Toluene	10.16	92	424266	50.414	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	224324	44.826	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	249646	45.031	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	170954	50.707	ug/l	99
56) Ethyl methacrylate	10.43	69	260572	50.009	ug/l	99
57) 1,3-Dichloropropane	10.71	76	274283	50.050	ug/l	100
59) 2-Hexanone	10.75	43	722748	239.258	ug/l	100
60) Dibromochloromethane	10.90	129	194947	49.636	ug/l	100
61) 1,2-Dibromoethane	11.00	107	175132	50.081	ug/l	99
64) Tetrachloroethene	10.63	164	181907	47.663	ug/l	99
65) Chlorobenzene	11.43	112	460313	50.815	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	176984	48.986	ug/l	100
67) Ethyl Benzene	11.51	91	796888	49.055	ug/l	98
68) m/p-Xylenes	11.62	106	612015	99.655	ug/l	99
69) o-Xylene	11.95	106	299705	49.188	ug/l	100
70) Stvrene	11.96	104	493904	50.056	ug/l	100
71) Bromoform	12.13	173	149594	48.543	ug/l #	100
73) Isopropylbenzene	12.25	105	790707	53.675	ug/l	100
74) N-amyl acetate	12.07	43	221565	38.857	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	237444	54.523	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	189117m	53.031	ug/l	
77) Bromobenzene	12.53	156	217460	49.028	ug/l	95
78) n-propylbenzene	12.59	91	841108	46.559	ug/l	99
79) 2-Chlorotoluene	12.67	91	512935	52.859	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	648134	52.191	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	58618	37.945	ug/l	99
82) 4-Chlorotoluene	12.77	91	500557	47.137	ug/l	99
83) tert-Butylbenzene	12.99	119	582420	54.407	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	644728	51.983	ug/l	99
85) sec-Butylbenzene	13.17	105	734102	52.587	ug/l	100
86) p-Isopropyltoluene	13.29	119	670281	46.436	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	347403	49.466	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	335229	50.205	ug/l	99
89) n-Butylbenzene	13.61	91	509720	46.087	ug/l	99
90) Hexachloroethane	13.87	117	121102	44.078	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	346333	49.427	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40501	43.976	ug/l	96
93) 1,2,4-Trichlorobenzene	14.91	180	186438	46.519	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	125035	50.731	ug/l	99
95) Naphthalene	15.13	128	503993	52.417	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	193601	52.269	ug/l	98

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

