

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055745.D
 Acq On : 23 May 2019 10:10
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda

5/24/2019 9:20:57 AM

Quant Time: May 24 06:02:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 05:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	340354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	500917	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	437348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	185405	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	78649	21.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.54%	
35) Dibromofluoromethane	7.59	113	69494	21.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.76%	
50) Toluene-d8	10.09	98	263378	21.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.74%	
62) 4-Bromofluorobenzene	12.40	95	87285	20.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	45706	17.781	ug/l	99
3) Chloromethane	2.06	50	65674	18.943	ug/l	99
4) Vinyl Chloride	2.19	62	69026	18.458	ug/l	99
5) Bromomethane	2.54	94	46664	19.490	ug/l	98
6) Chloroethane	2.69	64	43795	20.851	ug/l	97
7) Trichlorofluoromethane	3.01	101	91653	19.118	ug/l	99
8) Diethyl Ether	3.40	74	40734	20.883	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	56967	19.445	ug/l	99
10) Methyl Iodide	3.94	142	85604	20.132	ug/l	99
11) Tert butyl alcohol	4.81	59	80526	115.883	ug/l	98
12) 1,1-Dichloroethene	3.72	96	59085	19.161	ug/l	97
13) Acrolein	3.60	56	49592	124.075	ug/l	99
14) Allyl chloride	4.31	41	104117	20.886	ug/l	99
15) Acrylonitrile	4.99	53	159734	103.479	ug/l	100
16) Acetone	3.82	43	170789	111.916	ug/l	96
17) Carbon Disulfide	4.04	76	164155	19.163	ug/l	99
18) Methyl Acetate	4.33	43	66781	20.471	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	199903	19.646	ug/l	99
20) Methylene Chloride	4.55	84	67568	19.572	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	63518	19.363	ug/l	98
22) Diisopropyl ether	5.95	45	197585	19.935	ug/l	96
23) Vinyl Acetate	5.90	43	858131	102.063	ug/l	100
24) 1,1-Dichloroethane	5.84	63	114686	19.865	ug/l	100
25) 2-Butanone	6.84	43	224006	105.332	ug/l	100
26) 2,2-Dichloropropane	6.82	77	98162	19.199	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	74306	19.385	ug/l	99
28) Bromochloromethane	7.19	49	60223	23.625	ug/l	99
29) Tetrahydrofuran	7.21	42	141091	100.347	ug/l	100
30) Chloroform	7.37	83	115924	19.494	ug/l	99
31) Cyclohexane	7.65	56	109952	19.963	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	103516	19.445	ug/l	99
36) 1,1-Dichloropropene	7.79	75	85910	19.335	ug/l	99
37) Ethyl Acetate	6.93	43	89621	22.259	ug/l	99
38) Carbon Tetrachloride	7.77	117	92410	19.426	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	105965	19.665	ug/l	98
40) Benzene	8.04	78	269073	20.467	ug/l	100
41) Methacrylonitrile	7.18	41	40825	23.358	ug/l	99
42) 1,2-Dichloroethane	8.12	62	88949	20.933	ug/l	100
43) Isopropyl Acetate	8.17	43	140062	19.968	ug/l #	92
44) Trichloroethene	8.83	130	74207	20.022	ug/l	99
45) 1,2-Dichloropropane	9.12	63	69781	20.170	ug/l	99
46) Dibromomethane	9.21	93	46426	20.472	ug/l	99
47) Bromodichloromethane	9.40	83	92795	19.605	ug/l	99
48) Methyl methacrylate	9.20	41	68403	21.766	ug/l	97
49) 1,4-Dioxane	9.20	88	27041	434.175	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	424017	102.301	ug/l	99
52) Toluene	10.16	92	168714	20.410	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	98947	19.460	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	110527	19.834	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	68122	20.040	ug/l	98
56) Ethyl methacrylate	10.43	69	102595	19.325	ug/l	98
57) 1,3-Dichloropropane	10.71	76	109853	20.439	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	189888	86.137	ug/l	100
59) 2-Hexanone	10.75	43	299988	102.987	ug/l	100
60) Dibromochloromethane	10.90	129	77667	20.156	ug/l	99
61) 1,2-Dibromoethane	11.00	107	68659	20.170	ug/l	98
64) Tetrachloroethene	10.63	164	75441	21.702	ug/l	100
65) Chlorobenzene	11.43	112	175654	19.891	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	69804	19.671	ug/l	98
67) Ethyl Benzene	11.51	91	316323	20.058	ug/l	99
68) m/p-Xylenes	11.62	106	239739	40.249	ug/l	99
69) o-Xylene	11.95	106	119986	20.532	ug/l	99
70) Styrene	11.96	104	192629	19.879	ug/l	99
71) Bromoform	12.13	173	60073	19.926	ug/l #	99
73) Isopropylbenzene	12.25	105	313989	20.726	ug/l	99
74) N-amyl acetate	12.07	43	111782	21.436	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	93419	20.027	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	79020m	20.680	ug/l	
77) Bromobenzene	12.53	156	80632	21.035	ug/l	99
78) n-propylbenzene	12.59	91	323464	19.700	ug/l	99
79) 2-Chlorotoluene	12.67	91	201393	20.134	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	257501	20.238	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	28341	19.493	ug/l	100
82) 4-Chlorotoluene	12.77	91	191255	19.757	ug/l	99
83) tert-Butylbenzene	12.99	119	227671	20.393	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	254289	20.293	ug/l	100
85) sec-Butylbenzene	13.17	105	286944	20.241	ug/l	99
86) p-Isopropyltoluene	13.29	119	261564	20.074	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	126948	20.157	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	119159	19.892	ug/l	99
89) n-Butylbenzene	13.61	91	195933	19.356	ug/l	99
90) Hexachloroethane	13.87	117	50190	20.179	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	129802	20.680	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16701	20.124	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	59484	18.892	ug/l	99
94) Hexachlorobutadiene	15.01	225	49949	22.365	ug/l	100
95) Naphthalene	15.13	128	164722	19.335	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	64547	19.434	ug/l	99

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

