

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042919\
 Data File : VN055284.D
 Acq On : 29 Apr 2019 10:42
 Operator : JC/SP
 Sample : VSTDIC010
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:58:54 AM

Quant Time: Apr 30 03:59:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 03:41:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	417707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	673757	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	554331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	176041	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	57382	10.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.42%	
35) Dibromofluoromethane	7.59	113	44722	9.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.76%	
50) Toluene-d8	10.09	98	157128	9.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.74%	
62) 4-Bromofluorobenzene	12.40	95	45316	8.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.12%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	56704	10.699	ug/l 95
3) Chloromethane	2.06	50	66917	10.312	ug/l 98
4) Vinyl Chloride	2.19	62	52909	10.183	ug/l 97
5) Bromomethane	2.56	94	28840	9.509	ug/l 95
6) Chloroethane	2.71	64	27841	10.085	ug/l 96
7) Trichlorofluoromethane	3.02	101	75315	10.566	ug/l 98
8) Diethyl Ether	3.41	74	24584	9.671	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	43747	9.837	ug/l 98
10) Methyl Iodide	3.95	142	62142	10.033	ug/l 99
11) Tert butyl alcohol	4.79	59	15066	46.074	ug/l # 73
12) 1,1-Dichloroethene	3.74	96	41217	9.721	ug/l 98
13) Acrolein	3.61	56	12815	31.531	ug/l 95
14) Allyl chloride	4.33	41	86386	10.203	ug/l 98
15) Acrylonitrile	4.99	53	89666	49.907	ug/l 97
16) Acetone	3.82	43	87982	49.143	ug/l 100
17) Carbon Disulfide	4.06	76	107056	9.115	ug/l 98
18) Methyl Acetate	4.33	43	42410	8.313	ug/l 92
19) Methyl tert-butyl Ether	5.05	73	117397	9.912	ug/l 97
20) Methylene Chloride	4.55	84	51947	9.747	ug/l 98
21) trans-1,2-Dichloroethene	5.05	96	44156	9.927	ug/l 97
22) Diisopropyl ether	5.96	45	170623	10.077	ug/l 97
23) Vinyl Acetate	5.90	43	561589	49.694	ug/l 99
24) 1,1-Dichloroethane	5.85	63	92486	10.218	ug/l 99
25) 2-Butanone	6.84	43	106656	45.093	ug/l 96
26) 2,2-Dichloropropane	6.83	77	63328	10.282	ug/l 99
27) cis-1,2-Dichloroethene	6.83	96	51264	9.953	ug/l 98
28) Bromochloromethane	7.20	49	46658	10.105	ug/l 99
29) Tetrahydrofuran	7.21	42	72236	49.094	ug/l 98
30) Chloroform	7.37	83	85787	9.952	ug/l 99
31) Cyclohexane	7.66	56	89865	8.673	ug/l # 90
32) 1,1,1-Trichloroethane	7.57	97	69242	10.017	ug/l 99
36) 1,1-Dichloropropene	7.80	75	60787	9.851	ug/l 98
37) Ethyl Acetate	6.93	43	46560	9.344	ug/l 98
38) Carbon Tetrachloride	7.77	117	60085	10.322	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	67033	9.121	ug/l	99
40) Benzene	8.04	78	192145	10.028	ug/l	100
41) Methacrylonitrile	7.17	41	20012	7.640	ug/l #	70
42) 1,2-Dichloroethane	8.12	62	67669	10.119	ug/l	100
43) Isopropyl Acetate	8.17	43	76207	9.396	ug/l	97
44) Trichloroethene	8.84	130	48180	9.971	ug/l	93
45) 1,2-Dichloropropane	9.12	63	53534	9.871	ug/l	96
46) Dibromomethane	9.21	93	30319	9.818	ug/l	99
47) Bromodichloromethane	9.40	83	63269	10.188	ug/l	98
48) Methyl methacrylate	9.20	41	34229	8.652	ug/l	97
49) 1,4-Dioxane	9.21	88	7721	173.012	ug/l #	91
51) 4-Methyl-2-Pentanone	9.99	43	220614	47.283	ug/l	98
52) Toluene	10.16	92	110922	9.924	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	52788	9.266	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	67691	9.575	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	41567	10.029	ug/l	97
56) Ethyl methacrylate	10.43	69	50050	9.722	ug/l	96
57) 1,3-Dichloropropane	10.71	76	71181	9.883	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.70	63	54307	34.180	ug/l	99
59) 2-Hexanone	10.75	43	132893	45.629	ug/l	98
60) Dibromochloromethane	10.90	129	40119	9.385	ug/l	95
61) 1,2-Dibromoethane	11.01	107	36508	9.409	ug/l	94
64) Tetrachloroethene	10.63	164	46638	10.395	ug/l	96
65) Chlorobenzene	11.43	112	111248	9.920	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	42942	10.284	ug/l	99
67) Ethyl Benzene	11.51	91	196455	9.827	ug/l	100
68) m/p-Xylenes	11.62	106	141987	19.868	ug/l	98
69) o-Xylene	11.95	106	71156	10.023	ug/l	97
70) Styrene	11.96	104	105484	9.607	ug/l	99
71) Bromoform	12.13	173	22584	9.148	ug/l #	100
73) Isopropylbenzene	12.25	105	190390	11.227	ug/l	99
74) N-amyl acetate	12.07	43	42510	9.376	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	47047	10.518	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	40476m	11.200	ug/l	
77) Bromobenzene	12.53	156	41669	10.748	ug/l	99
78) n-propylbenzene	12.59	91	191010	10.801	ug/l	99
79) 2-Chlorotoluene	12.67	91	124174	11.120	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	147365	11.179	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	9731	10.310	ug/l	91
82) 4-Chlorotoluene	12.77	91	106968	10.455	ug/l	99
83) tert-Butylbenzene	12.99	119	126487	10.719	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	130789	10.527	ug/l	97
85) sec-Butylbenzene	13.17	105	161567	10.823	ug/l	100
86) p-Isopropyltoluene	13.29	119	128571	10.470	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	60345	10.195	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	55543	9.624	ug/l	98
89) n-Butylbenzene	13.61	91	83048	9.182	ug/l	99
90) Hexachloroethane	13.87	117	22928	10.469	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	62517	10.299	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4947	9.278	ug/l	98

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93) 1,2,4-Trichlorobenzene	14.91	180	15043	7.128	ug/l	99
94) Hexachlorobutadiene	15.01	225	22098	10.072	ug/l	99
95) Naphthalene	15.13	128	35315	7.945	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	17035	7.773	ug/l	95

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

