

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN055002.D
 Acq On : 12 Apr 2019 16:32
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 1:58:14 PM

Quant Time: Apr 13 03:22:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 02:20:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	435652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	700387	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	625245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	284766	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	542076	94.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.32%	
35) Dibromofluoromethane	7.59	113	438428	96.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.36%	
50) Toluene-d8	10.09	98	1640330	95.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	190.46%	
62) 4-Bromofluorobenzene	12.40	95	574250	100.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	477186	92.932	ug/l	99
3) Chloromethane	2.06	50	612608	90.493	ug/l	96
4) Vinyl Chloride	2.19	62	504375	85.929	ug/l	100
5) Bromomethane	2.54	94	276142	82.242	ug/l	97
6) Chloroethane	2.70	64	275064	83.735	ug/l	97
7) Trichlorofluoromethane	3.02	101	629382	87.908	ug/l	99
8) Diethyl Ether	3.41	74	200062	87.165	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	324613	85.664	ug/l	99
10) Methyl Iodide	3.94	142	497069	93.077	ug/l	99
11) Tert butyl alcohol	4.82	59	177081	580.455	ug/l	100
12) 1,1-Dichloroethene	3.72	96	313402	83.587	ug/l	98
13) Acrolein	3.61	56	207743	521.307	ug/l	98
14) Allyl chloride	4.31	41	832902	98.898	ug/l	99
15) Acrylonitrile	4.99	53	958965	533.264	ug/l	99
16) Acetone	3.82	43	694993	431.200	ug/l	99
17) Carbon Disulfide	4.04	76	1112140	93.167	ug/l	100
18) Methyl Acetate	4.33	43	440275	100.916	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1230799	99.164	ug/l	98
20) Methylene Chloride	4.54	84	481836	90.635	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	442372	93.444	ug/l	93
22) Diisopropyl ether	5.96	45	1701497	98.009	ug/l	98
23) Vinyl Acetate	5.90	43	6368777	526.585	ug/l	100
24) 1,1-Dichloroethane	5.84	63	878920	93.134	ug/l	99
25) 2-Butanone	6.85	43	1238878	569.836	ug/l	100
26) 2,2-Dichloropropane	6.82	77	596766	90.794	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	513676	95.279	ug/l	100
28) Bromochloromethane	7.19	49	417239	93.632	ug/l	100
29) Tetrahydrofuran	7.22	42	795677	553.564	ug/l	100
30) Chloroform	7.37	83	840723	93.880	ug/l	100
31) Cyclohexane	7.65	56	822387	76.357	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	694389	92.268	ug/l	100
36) 1,1-Dichloropropene	7.79	75	646052	94.439	ug/l	100
37) Ethyl Acetate	6.94	43	521340	108.434	ug/l	100
38) Carbon Tetrachloride	7.77	117	594470	90.290	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	734292	97.418	ug/l	100
40) Benzene	8.04	78	1921352	97.044	ug/l	100
41) Methacrylonitrile	7.17	41	320205	116.827	ug/l	93
42) 1,2-Dichloroethane	8.13	62	660375	94.723	ug/l	99
43) Isopropyl Acetate	8.17	43	891041	110.142	ug/l	99
44) Trichloroethene	8.83	130	489588	96.626	ug/l	98
45) 1,2-Dichloropropane	9.12	63	542426	98.308	ug/l	100
46) Dibromomethane	9.21	93	307069	97.330	ug/l	96
47) Bromodichloromethane	9.40	83	649563	98.777	ug/l	98
48) Methyl methacrylate	9.20	41	449974	110.632	ug/l	100
49) 1,4-Dioxane	9.20	88	100111	2391.223	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2588855	570.483	ug/l	99
52) Toluene	10.16	92	1141646	97.994	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	653208	108.249	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	776073	105.102	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	430598	100.963	ug/l	98
56) Ethyl methacrylate	10.43	69	612833	110.334	ug/l	99
57) 1,3-Dichloropropane	10.71	76	756519	101.640	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1244838	570.241	ug/l	99
59) 2-Hexanone	10.75	43	1665707	590.174	ug/l	100
60) Dibromochloromethane	10.90	129	470824	106.111	ug/l	99
61) 1,2-Dibromoethane	11.01	107	425289	106.351	ug/l	99
64) Tetrachloroethene	10.63	164	454849	90.852	ug/l	97
65) Chlorobenzene	11.43	112	1205304	95.728	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	453838	98.432	ug/l	99
67) Ethyl Benzene	11.51	91	2211604	97.476	ug/l	100
68) m/p-Xylenes	11.62	106	1634861	196.920	ug/l	100
69) o-Xylene	11.95	106	795234	98.365	ug/l	100
70) Styrene	11.96	104	1344089	103.506	ug/l	98
71) Bromoform	12.13	173	308563	110.567	ug/l #	99
73) Isopropylbenzene	12.25	105	2117401	88.621	ug/l	98
74) N-amyl acetate	12.07	43	729572	109.041	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	549869	92.321	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	457573m	88.968	ug/l	
77) Bromobenzene	12.53	156	531616	91.756	ug/l	100
78) n-propylbenzene	12.59	91	2409334	91.497	ug/l	100
79) 2-Chlorotoluene	12.67	91	1448582	88.763	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1788695	91.218	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	138156	112.586	ug/l	91
82) 4-Chlorotoluene	12.77	91	1453347	94.166	ug/l	99
83) tert-Butylbenzene	12.99	119	1494690	89.370	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1759682	92.827	ug/l	99
85) sec-Butylbenzene	13.17	105	1958642	90.536	ug/l	100
86) p-Isopropyltoluene	13.29	119	1759049	94.461	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	917089	95.484	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	884662	96.626	ug/l	100
89) n-Butylbenzene	13.61	91	1506769	101.958	ug/l	100
90) Hexachloroethane	13.87	117	293231	94.670	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	887310	93.805	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	84817	102.330	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	474840	114.175	ug/l	100
94) Hexachlorobutadiene	15.01	225	276545	87.254	ug/l	100
95) Naphthalene	15.13	128	1108322	120.667	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	467278	108.140	ug/l	100

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

