

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041419\
 Data File : VN055022.D
 Acq On : 13 Apr 2019 11:10
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 10:04:06 AM

Quant Time: Apr 14 03:29:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 03:34:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	471432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	724832	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	636865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	273426	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	293240	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
35) Dibromofluoromethane	7.59	113	240122	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
50) Toluene-d8	10.09	98	887302	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
62) 4-Bromofluorobenzene	12.40	95	298564	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	259589	49.921	ug/l 99
3) Chloromethane	2.06	50	315269	45.211	ug/l 98
4) Vinyl Chloride	2.19	62	261647	46.239	ug/l 99
5) Bromomethane	2.53	94	143739	43.881	ug/l 99
6) Chloroethane	2.69	64	143909	46.116	ug/l 96
7) Trichlorofluoromethane	3.01	101	338146	47.640	ug/l 98
8) Diethyl Ether	3.41	74	106586	47.748	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	179416	48.463	ug/l 99
10) Methyl Iodide	3.94	142	322037	60.316	ug/l 94
11) Tert butyl alcohol	4.83	59	76995	211.496	ug/l 98
12) 1,1-Dichloroethene	3.72	96	167501	45.954	ug/l 99
13) Acrolein	3.60	56	103017	234.435	ug/l 98
14) Allyl chloride	4.31	41	428804	48.149	ug/l 98
15) Acrylonitrile	4.99	53	493230	245.640	ug/l 99
16) Acetone	3.82	43	470043	289.213	ug/l 93
17) Carbon Disulfide	4.03	76	563226	47.442	ug/l 100
18) Methyl Acetate	4.33	43	226996	45.057	ug/l 98
19) Methyl tert-butyl Ether	5.05	73	646943	49.677	ug/l 100
20) Methylene Chloride	4.54	84	257501	48.777	ug/l 98
21) trans-1,2-Dichloroethene	5.03	96	230578	48.020	ug/l 98
22) Diisopropyl ether	5.96	45	898451	49.756	ug/l 99
23) Vinyl Acetate	5.90	43	3293127	260.750	ug/l 100
24) 1,1-Dichloroethane	5.84	63	461565	47.329	ug/l 99
25) 2-Butanone	6.85	43	671737	268.359	ug/l 100
26) 2,2-Dichloropropane	6.82	77	323007	50.063	ug/l 98
27) cis-1,2-Dichloroethene	6.83	96	267473	47.950	ug/l 100
28) Bromochloromethane	7.19	49	225357	48.704	ug/l 100
29) Tetrahydrofuran	7.22	42	405467	247.100	ug/l 99
30) Chloroform	7.37	83	440834	47.403	ug/l 99
31) Cyclohexane	7.65	56	440193	48.802	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	362591	48.942	ug/l 99
36) 1,1-Dichloropropene	7.79	75	338711	50.562	ug/l 99
37) Ethyl Acetate	6.93	43	280092	55.696	ug/l 99
38) Carbon Tetrachloride	7.77	117	309009	49.005	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	372446	48.564	ug/l	100
40) Benzene	8.04	78	1013505	50.042	ug/l	100
41) Methacrylonitrile	7.18	41	157944	51.041	ug/l	95
42) 1,2-Dichloroethane	8.12	62	343857	48.263	ug/l	99
43) Isopropyl Acetate	8.17	43	458205	53.285	ug/l	99
44) Trichloroethene	8.83	130	258801	50.002	ug/l	98
45) 1,2-Dichloropropane	9.12	63	282604	49.447	ug/l	100
46) Dibromomethane	9.21	93	159613	48.739	ug/l	96
47) Bromodichloromethane	9.40	83	340519	51.131	ug/l	97
48) Methyl methacrylate	9.20	41	226958	51.234	ug/l	100
49) 1,4-Dioxane	9.21	88	30247	634.907	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1316928	261.555	ug/l	100
52) Toluene	10.16	92	601102	50.184	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	329448	54.632	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	396083	53.320	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	225268	50.486	ug/l	96
56) Ethyl methacrylate	10.43	69	308122	53.666	ug/l	99
57) 1,3-Dichloropropane	10.71	76	388348	50.453	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	586157	228.866	ug/l	100
59) 2-Hexanone	10.75	43	843970	268.238	ug/l	100
60) Dibromochloromethane	10.90	129	236744	53.304	ug/l	100
61) 1,2-Dibromoethane	11.00	107	219947	51.486	ug/l	97
64) Tetrachloroethene	10.63	164	235157	47.204	ug/l	95
65) Chlorobenzene	11.43	112	609609	49.643	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	232165	51.302	ug/l	99
67) Ethyl Benzene	11.51	91	1134432	50.292	ug/l	99
68) m/p-Xylenes	11.62	106	833740	101.027	ug/l	100
69) o-Xylene	11.95	106	401370	49.155	ug/l	100
70) Styrene	11.96	104	671122	51.836	ug/l	99
71) Bromoform	12.13	173	146021	47.209	ug/l #	98
73) Isopropylbenzene	12.25	105	1069486	46.004	ug/l	99
74) N-amyl acetate	12.07	43	363194	51.832	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	275354	45.748	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	240798m	47.869	ug/l	
77) Bromobenzene	12.53	156	262762	50.419	ug/l	100
78) n-propylbenzene	12.59	91	1200336	47.392	ug/l	100
79) 2-Chlorotoluene	12.67	91	729694	46.635	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	887841	46.913	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	64885	53.239	ug/l	97
82) 4-Chlorotoluene	12.77	91	719585	47.553	ug/l	99
83) tert-Butylbenzene	12.99	119	737324	45.477	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	865738	47.707	ug/l	99
85) sec-Butylbenzene	13.17	105	964412	46.589	ug/l	99
86) p-Isopropyltoluene	13.29	119	860016	47.764	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	437264	47.083	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	420979	47.394	ug/l	99
89) n-Butylbenzene	13.61	91	711469	50.312	ug/l	100
90) Hexachloroethane	13.87	117	134797	45.306	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	424592	47.094	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40056	51.180	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	204418	45.958	ug/l	98
94) Hexachlorobutadiene	15.01	225	149876	56.039	ug/l	98
95) Naphthalene	15.13	128	452353	43.918	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	208133	51.176	ug/l	98

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

