

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042319\
 Data File : VN055213.D
 Acq On : 23 Apr 2019 18:11
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/24/2019 12:44:43 PM

Quant Time: Apr 24 04:42:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	429448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	682622	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	600758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	252196	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	290474	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
35) Dibromofluoromethane	7.59	113	229030	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	10.09	98	847788	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
62) 4-Bromofluorobenzene	12.40	95	280251	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	289373	52.334	ug/l	99
3) Chloromethane	2.06	50	333180	49.175	ug/l	99
4) Vinyl Chloride	2.19	62	262591	48.367	ug/l	98
5) Bromomethane	2.55	94	136723	43.425	ug/l	100
6) Chloroethane	2.70	64	135768	47.447	ug/l	98
7) Trichlorofluoromethane	3.01	101	358867	48.573	ug/l	97
8) Diethyl Ether	3.41	74	143299	54.341	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	219758	47.667	ug/l	99
10) Methyl Iodide	3.95	142	340635	52.688	ug/l	99
11) Tert butyl alcohol	4.79	59	110720	326.268	ug/l	98
12) 1,1-Dichloroethene	3.74	96	218681	49.495	ug/l	99
13) Acrolein	3.61	56	132346	259.776	ug/l	100
14) Allyl chloride	4.32	41	442852	50.702	ug/l	99
15) Acrylonitrile	4.99	53	541837	291.137	ug/l	99
16) Acetone	3.82	43	439759	228.855	ug/l	98
17) Carbon Disulfide	4.05	76	581955	47.114	ug/l	99
18) Methyl Acetate	4.33	43	249762	60.730	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	670742	54.908	ug/l	97
20) Methylene Chloride	4.55	84	260269	47.114	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	230148	49.675	ug/l	98
22) Diisopropyl ether	5.95	45	896284	51.479	ug/l	98
23) Vinyl Acetate	5.90	43	3427693	292.971	ug/l	99
24) 1,1-Dichloroethane	5.85	63	462939	49.434	ug/l	99
25) 2-Butanone	6.84	43	691571	278.769	ug/l	99
26) 2,2-Dichloropropane	6.83	77	308827	48.732	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	264622	49.547	ug/l	99
28) Bromochloromethane	7.19	49	236241	49.488	ug/l	98
29) Tetrahydrofuran	7.21	42	456373	299.200	ug/l	99
30) Chloroform	7.37	83	434154	48.737	ug/l	97
31) Cyclohexane	7.65	56	433444	49.423	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	363275	50.761	ug/l	99
36) 1,1-Dichloropropene	7.79	75	330557	52.173	ug/l	100
37) Ethyl Acetate	6.93	43	302544	59.169	ug/l	99
38) Carbon Tetrachloride	7.77	117	306813	51.712	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	364781	48.261	ug/l	98
40) Benzene	8.04	78	1004063	51.337	ug/l	100
41) Methacrylonitrile	7.17	41	130146	48.549	ug/l #	81
42) 1,2-Dichloroethane	8.13	62	349357	51.201	ug/l	100
43) Isopropyl Acetate	8.17	43	515049	62.204	ug/l	99
44) Trichloroethene	8.83	130	247713	50.111	ug/l	100
45) 1,2-Dichloropropane	9.12	63	277874	50.332	ug/l	95
46) Dibromomethane	9.21	93	160884	50.906	ug/l	99
47) Bromodichloromethane	9.40	83	328335	51.896	ug/l	98
48) Methyl methacrylate	9.20	41	239113	59.534	ug/l	97
49) 1,4-Dioxane	9.20	88	55568	1198.037	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1445383	303.363	ug/l	100
52) Toluene	10.16	92	588123	51.294	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	331498	57.094	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	395047	54.828	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	223116	52.783	ug/l	99
56) Ethyl methacrylate	10.43	69	325471	61.808	ug/l	99
57) 1,3-Dichloropropane	10.71	76	396083	53.856	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	505831	249.327	ug/l	100
59) 2-Hexanone	10.75	43	917145	304.749	ug/l	99
60) Dibromochloromethane	10.90	129	235984	54.200	ug/l	98
61) 1,2-Dibromoethane	11.00	107	221761	55.799	ug/l	100
64) Tetrachloroethene	10.63	164	240595	49.092	ug/l	99
65) Chlorobenzene	11.43	112	592186	48.294	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	227991	50.166	ug/l	99
67) Ethyl Benzene	11.51	91	1095411	50.150	ug/l	99
68) m/p-Xylenes	11.62	106	799149	102.009	ug/l	99
69) o-Xylene	11.95	106	394065	50.686	ug/l	100
70) Styrene	11.96	104	652416	54.137	ug/l	99
71) Bromoform	12.13	173	152131	56.095	ug/l #	99
73) Isopropylbenzene	12.25	105	1047661	51.780	ug/l	100
74) N-amyl acetate	12.07	43	386488	59.440	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	289653	56.814	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	216155m	42.248	ug/l	
77) Bromobenzene	12.53	156	257600	46.268	ug/l	99
78) n-propylbenzene	12.59	91	1161372	45.919	ug/l	100
79) 2-Chlorotoluene	12.67	91	718135	44.966	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	869217	46.041	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	71991	53.340	ug/l	97
82) 4-Chlorotoluene	12.77	91	687924	46.817	ug/l	100
83) tert-Butylbenzene	12.99	119	731215	51.616	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	853061	47.881	ug/l	98
85) sec-Butylbenzene	13.17	105	950481	44.501	ug/l	99
86) p-Isopropyltoluene	13.29	119	831033	47.227	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	419178	49.045	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	402035	48.315	ug/l	99
89) n-Butylbenzene	13.61	91	672215	51.539	ug/l	99
90) Hexachloroethane	13.87	117	136221	43.650	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	409707	46.671	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41569	54.281	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	179855	48.577	ug/l	100
94) Hexachlorobutadiene	15.01	225	138089	54.234	ug/l	97
95) Naphthalene	15.13	128	404959	49.953	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	180898	49.151	ug/l	98

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

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