

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042919\
 Data File : VN055296.D
 Acq On : 29 Apr 2019 16:31
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:59:26 AM

Quant Time: Apr 30 05:15:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 04:20:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	431901	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	689248	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	607563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	251933	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	270226	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
35) Dibromofluoromethane	7.59	113	220905	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
50) Toluene-d8	10.09	98	810874	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.40	95	281345	55.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	262592	49.623	ug/l	99
3) Chloromethane	2.06	50	302266	46.130	ug/l	99
4) Vinyl Chloride	2.19	62	240670	45.565	ug/l	99
5) Bromomethane	2.56	94	130566	46.668	ug/l	99
6) Chloroethane	2.70	64	129097	45.118	ug/l	99
7) Trichlorofluoromethane	3.02	101	343328	45.713	ug/l	99
8) Diethyl Ether	3.41	74	121497	46.237	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	212882	47.599	ug/l	99
10) Methyl Iodide	3.95	142	309296	49.140	ug/l	99
11) Tert butyl alcohol	4.79	59	83428	257.898	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	196099	45.963	ug/l	96
13) Acrolein	3.61	56	59121	234.017	ug/l	96
14) Allyl chloride	4.33	41	420944	47.638	ug/l	99
15) Acrylonitrile	4.99	53	427463	235.087	ug/l	100
16) Acetone	3.82	43	407366	231.386	ug/l	100
17) Carbon Disulfide	4.06	76	515962	46.340	ug/l	98
18) Methyl Acetate	4.33	43	208194	48.514	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	587222	48.959	ug/l	100
20) Methylene Chloride	4.55	84	235172	43.763	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	211182	46.737	ug/l	98
22) Diisopropyl ether	5.95	45	852927	48.581	ug/l	98
23) Vinyl Acetate	5.90	43	2942249	255.699	ug/l	100
24) 1,1-Dichloroethane	5.85	63	437973	46.820	ug/l	99
25) 2-Butanone	6.83	43	561721	249.487	ug/l	100
26) 2,2-Dichloropropane	6.82	77	316272	48.961	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	248407	48.343	ug/l	99
28) Bromochloromethane	7.19	49	223393	47.377	ug/l	98
29) Tetrahydrofuran	7.21	42	347320	240.910	ug/l	100
30) Chloroform	7.37	83	414901	46.788	ug/l	100
31) Cyclohexane	7.65	56	400657	45.080	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	338406	47.021	ug/l	99
36) 1,1-Dichloropropene	7.79	75	308184	46.681	ug/l	99
37) Ethyl Acetate	6.92	43	233406	46.129	ug/l	99
38) Carbon Tetrachloride	7.77	117	285379	44.811	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	333845	47.561	ug/l	98
40) Benzene	8.04	78	931840	47.880	ug/l	98
41) Methacrylonitrile	7.17	41	123980	45.344	ug/l	95
42) 1,2-Dichloroethane	8.12	62	314253	45.590	ug/l	99
43) Isopropyl Acetate	8.16	43	420595	51.725	ug/l	99
44) Trichloroethene	8.83	130	232152	46.791	ug/l	100
45) 1,2-Dichloropropane	9.12	63	260201	46.355	ug/l	99
46) Dibromomethane	9.21	93	145053	47.276	ug/l	98
47) Bromodichloromethane	9.40	83	310995	47.248	ug/l	98
48) Methyl methacrylate	9.20	41	189094	47.304	ug/l	96
49) 1,4-Dioxane	9.20	88	43958	1063.771	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1168948	255.333	ug/l	99
52) Toluene	10.16	92	542855	48.613	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	304012	53.205	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	370011	51.937	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	192249	46.362	ug/l	97
56) Ethyl methacrylate	10.43	69	279896	54.840	ug/l	96
57) 1,3-Dichloropropane	10.71	76	352659	48.479	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	485999	304.000	ug/l	99
59) 2-Hexanone	10.75	43	770015	268.816	ug/l	99
60) Dibromochloromethane	10.90	129	216162	51.005	ug/l	99
61) 1,2-Dibromoethane	11.00	107	191239	49.896	ug/l	99
64) Tetrachloroethene	10.63	164	212810	42.832	ug/l	98
65) Chlorobenzene	11.43	112	559480	47.099	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	211684	45.511	ug/l	99
67) Ethyl Benzene	11.51	91	1042042	48.579	ug/l	99
68) m/p-Xylenes	11.62	106	759717	99.224	ug/l	98
69) o-Xylene	11.95	106	368466	48.553	ug/l	99
70) Styrene	11.96	104	618447	53.076	ug/l	99
71) Bromoform	12.13	173	127860	49.540	ug/l #	99
73) Isopropylbenzene	12.25	105	980119	48.818	ug/l	100
74) N-amyl acetate	12.07	43	372715	57.646	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	241424	48.255	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	207935m	44.107	ug/l	
77) Bromobenzene	12.53	156	238703	49.653	ug/l	98
78) n-propylbenzene	12.59	91	1115901	43.120	ug/l	100
79) 2-Chlorotoluene	12.67	91	675441	49.440	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	816677	41.349	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	59555	44.798	ug/l	99
82) 4-Chlorotoluene	12.77	91	663559	44.100	ug/l	99
83) tert-Butylbenzene	12.99	119	675882	48.245	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	797380	45.141	ug/l	100
85) sec-Butylbenzene	13.17	105	887353	41.335	ug/l	99
86) p-Isopropyltoluene	13.29	119	788140	44.669	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	396129	46.989	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	385203	48.520	ug/l	99
89) n-Butylbenzene	13.61	91	653253	52.103	ug/l	99
90) Hexachloroethane	13.87	117	127305	45.424	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	381410	45.648	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33424	50.429	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	159631	48.563	ug/l	99
94) Hexachlorobutadiene	15.01	225	131907	52.610	ug/l	99
95) Naphthalene	15.13	128	317467	45.646	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	158425	48.897	ug/l	98

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

