

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053041.D
 Acq On : 20 Dec 2018 5:30
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 9:33:40 AM

Quant Time: Dec 20 08:04:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1153296	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1763474	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1579539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	687379	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	591884	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
35) Dibromofluoromethane	7.59	113	472800	58.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.38%	
50) Toluene-d8	10.09	98	2224466	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
62) 4-Bromofluorobenzene	12.40	95	752670	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	512527	43.910	ug/l	100
3) Chloromethane	2.06	50	656617	46.423	ug/l	99
4) Vinyl Chloride	2.19	62	679417	47.429	ug/l	100
5) Bromomethane	2.57	94	439419	44.275	ug/l	100
6) Chloroethane	2.71	64	391165	46.107	ug/l	100
7) Trichlorofluoromethane	3.03	101	857241	48.038	ug/l	99
8) Diethyl Ether	3.41	74	340334	50.553	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	520770	45.770	ug/l	97
10) Methyl Iodide	3.96	142	782118	48.949	ug/l	99
11) Tert butyl alcohol	4.78	59	177745	248.901	ug/l	99
12) 1,1-Dichloroethene	3.74	96	533510	48.534	ug/l	97
13) Acrolein	3.61	56	188694	291.410	ug/l	98
14) Allyl chloride	4.33	41	810715	47.614	ug/l	97
15) Acrylonitrile	4.99	53	976935	246.248	ug/l	99
16) Acetone	3.82	43	614013	267.574	ug/l	97
17) Carbon Disulfide	4.06	76	1526431	42.580	ug/l	100
18) Methyl Acetate	4.33	43	505969	48.608	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1505803	51.189	ug/l	99
20) Methylene Chloride	4.55	84	603153	48.185	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	567132	48.020	ug/l	98
22) Diisopropyl ether	5.95	45	1857109	51.098	ug/l	96
23) Vinyl Acetate	5.90	43	5347052	255.852	ug/l	98
24) 1,1-Dichloroethane	5.85	63	1070706	49.577	ug/l	99
25) 2-Butanone	6.83	43	1017565	264.224	ug/l	98
26) 2,2-Dichloropropane	6.83	77	616412	37.390	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	659396	49.317	ug/l	98
28) Bromochloromethane	7.20	49	459747	49.127	ug/l	94
29) Tetrahydrofuran	7.21	42	717205	249.350	ug/l	97
30) Chloroform	7.37	83	1047545	49.376	ug/l	99
31) Cyclohexane	7.65	56	977267	48.210	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	876200	48.481	ug/l	99
36) 1,1-Dichloropropene	7.79	75	821308	48.523	ug/l	99
37) Ethyl Acetate	6.93	43	486207	51.456	ug/l	98
38) Carbon Tetrachloride	7.77	117	746637	48.125	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	922041	44.842	ug/l	98
40) Benzene	8.04	78	2497395	49.604	ug/l	100
41) Methacrylonitrile	7.18	41	287326	52.628	ug/l	95
42) 1,2-Dichloroethane	8.13	62	723309	48.631	ug/l	98
43) Isopropyl Acetate	8.16	43	921420	50.399	ug/l	98
44) Trichloroethene	8.83	130	696126	47.803	ug/l	97
45) 1,2-Dichloropropane	9.12	63	662695	50.534	ug/l	99
46) Dibromomethane	9.21	93	371791	48.667	ug/l	98
47) Bromodichloromethane	9.40	83	791340	48.731	ug/l	100
48) Methyl methacrylate	9.20	41	461437	50.325	ug/l	98
49) 1,4-Dioxane	9.20	88	107468	926.566	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	2375794	259.630	ug/l	98
52) Toluene	10.16	92	1549645	49.658	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	803313	47.044	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	936517	47.781	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	539547	49.559	ug/l	100
56) Ethyl methacrylate	10.43	69	744299	51.652	ug/l	97
57) 1,3-Dichloropropane	10.71	76	935155	50.091	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2019636	255.295	ug/l	98
59) 2-Hexanone	10.75	43	1593501	257.382	ug/l	98
60) Dibromochloromethane	10.90	129	600589	48.194	ug/l	99
61) 1,2-Dibromoethane	11.01	107	548053	49.567	ug/l	99
64) Tetrachloroethene	10.63	164	794177	46.416	ug/l	98
65) Chlorobenzene	11.43	112	1715353	48.991	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	602687	49.498	ug/l	100
67) Ethyl Benzene	11.51	91	2954772	49.071	ug/l	100
68) m/p-Xylenes	11.62	106	2211931	96.629	ug/l	99
69) o-Xylene	11.95	106	1083657	49.334	ug/l	100
70) Styrene	11.96	104	1786379	49.874	ug/l	100
71) Bromoform	12.13	173	407215	46.295	ug/l #	100
73) Isopropylbenzene	12.25	105	2844195	52.884	ug/l	99
74) N-amyl acetate	12.07	43	895313	59.961	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	589156	55.838	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	526525m	45.503	ug/l	
77) Bromobenzene	12.53	156	735618	52.619	ug/l	97
78) n-propylbenzene	12.59	91	3194532	52.154	ug/l	99
79) 2-Chlorotoluene	12.68	91	1862062	49.044	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2226355	50.788	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	167032	46.526	ug/l	98
82) 4-Chlorotoluene	12.77	91	1892744	50.927	ug/l	99
83) tert-Butylbenzene	12.99	119	1950066	50.299	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2282765	51.801	ug/l	99
85) sec-Butylbenzene	13.17	105	2551029	48.647	ug/l	99
86) p-Isopropyltoluene	13.29	119	2192235	48.381	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1205222	48.709	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1193822	47.644	ug/l	100
89) n-Butylbenzene	13.62	91	1776258	45.565	ug/l	99
90) Hexachloroethane	13.88	117	327702	47.128	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1114664	47.867	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	82756	45.362	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	569459	46.202	ug/l	100
94) Hexachlorobutadiene	15.01	225	300246	46.818	ug/l	99
95) Naphthalene	15.13	128	1273935	47.203	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	512756	46.192	ug/l	99

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

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