

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122218\
 Data File : VN053146.D
 Acq On : 22 Dec 2018 21:12
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 9:11:14 AM

Quant Time: Dec 24 01:15:23 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	1008110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1560295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1413552	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	641651	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	542314	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
35) Dibromofluoromethane	7.59	113	437299	61.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.70%	
50) Toluene-d8	10.09	98	1956374	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.40	95	698839	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	491350	48.158	ug/l	99
3) Chloromethane	2.06	50	615578	49.789	ug/l	100
4) Vinyl Chloride	2.19	62	623844	49.822	ug/l	99
5) Bromomethane	2.57	94	408171	47.050	ug/l	100
6) Chloroethane	2.71	64	379840	51.220	ug/l	98
7) Trichlorofluoromethane	3.02	101	786998	50.453	ug/l	99
8) Diethyl Ether	3.41	74	321237	54.589	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	502939	50.569	ug/l	99
10) Methyl Iodide	3.96	142	704707	50.456	ug/l	99
11) Tert butyl alcohol	4.78	59	177252	283.958	ug/l #	86
12) 1,1-Dichloroethene	3.74	96	487472	50.733	ug/l	99
13) Acrolein	3.61	56	238109	420.684	ug/l	100
14) Allyl chloride	4.33	41	824841	55.420	ug/l	94
15) Acrylonitrile	4.99	53	977590	281.901	ug/l	100
16) Acetone	3.82	43	617946	308.070	ug/l	96
17) Carbon Disulfide	4.06	76	1320641	42.145	ug/l	99
18) Methyl Acetate	4.32	43	533129	58.390	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1425176	55.425	ug/l	99
20) Methylene Chloride	4.55	84	572864	52.356	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	521215	50.488	ug/l	99
22) Diisopropyl ether	5.95	45	1784807	56.181	ug/l	96
23) Vinyl Acetate	5.90	43	5080437	278.105	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1010126	53.508	ug/l	99
25) 2-Butanone	6.83	43	1027860	305.336	ug/l	99
26) 2,2-Dichloropropane	6.83	77	640657	44.457	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	621483	53.175	ug/l	98
28) Bromochloromethane	7.19	49	448634	54.844	ug/l	98
29) Tetrahydrofuran	7.21	42	718848	285.915	ug/l	99
30) Chloroform	7.37	83	979101	52.797	ug/l	99
31) Cyclohexane	7.65	56	910634	51.464	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	814064	51.530	ug/l	99
36) 1,1-Dichloropropene	7.79	75	755632	50.456	ug/l	100
37) Ethyl Acetate	6.93	43	474010	56.697	ug/l	99
38) Carbon Tetrachloride	7.78	117	686541	50.014	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	859351	47.235	ug/l	99
40) Benzene	8.04	78	2326022	52.216	ug/l	99
41) Methacrylonitrile	7.18	41	286394	59.288	ug/l	92
42) 1,2-Dichloroethane	8.12	62	687361	52.232	ug/l	98
43) Isopropyl Acetate	8.16	43	880518	54.518	ug/l	98
44) Trichloroethene	8.84	130	629086	48.825	ug/l	98
45) 1,2-Dichloropropane	9.12	63	621466	53.561	ug/l	100
46) Dibromomethane	9.21	93	352137	52.097	ug/l	98
47) Bromodichloromethane	9.40	83	740066	51.508	ug/l	99
48) Methyl methacrylate	9.20	41	447856	55.204	ug/l	99
49) 1,4-Dioxane	9.20	88	111419	1085.722	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	2371649	292.926	ug/l	100
52) Toluene	10.16	92	1455244	52.705	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	750944	49.703	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	882582	50.893	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	517435	53.717	ug/l	99
56) Ethyl methacrylate	10.43	69	710266	55.709	ug/l	98
57) 1,3-Dichloropropane	10.71	76	891195	53.952	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1918893	274.146	ug/l	99
59) 2-Hexanone	10.75	43	1597440	291.616	ug/l	99
60) Dibromochloromethane	10.90	129	564349	51.183	ug/l	100
61) 1,2-Dibromoethane	11.01	107	518421	52.992	ug/l	100
64) Tetrachloroethene	10.63	164	711622	46.475	ug/l	99
65) Chlorobenzene	11.43	112	1617307	51.614	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	559172	51.317	ug/l	100
67) Ethyl Benzene	11.51	91	2796976	51.904	ug/l	100
68) m/p-Xylenes	11.62	106	2103861	102.700	ug/l	99
69) o-Xylene	11.95	106	1037598	52.784	ug/l	100
70) Styrene	11.96	104	1702861	53.125	ug/l	100
71) Bromoform	12.13	173	386714	49.127	ug/l #	100
73) Isopropylbenzene	12.25	105	2722574	54.231	ug/l	100
74) N-amyl acetate	12.07	43	806617	57.870	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	596572	60.571	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	525766m	48.675	ug/l	
77) Bromobenzene	12.53	156	708685	54.305	ug/l	98
78) n-propylbenzene	12.59	91	3032816	53.042	ug/l	100
79) 2-Chlorotoluene	12.67	91	1813032	51.156	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2117423	51.745	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	166217	49.598	ug/l	99
82) 4-Chlorotoluene	12.77	91	1836994	52.949	ug/l	100
83) tert-Butylbenzene	12.99	119	1869586	51.660	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2159891	52.506	ug/l	100
85) sec-Butylbenzene	13.17	105	2439250	49.831	ug/l	99
86) p-Isopropyltoluene	13.29	119	2092213	49.464	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1167808	50.561	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1146281	49.007	ug/l	100
89) n-Butylbenzene	13.62	91	1687281	46.368	ug/l	100
90) Hexachloroethane	13.88	117	320705	49.408	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1087258	50.017	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	80546	47.297	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	508021	44.182	ug/l	100
94) Hexachlorobutadiene	15.01	225	299031	50.156	ug/l	99
95) Naphthalene	15.13	128	1160701	46.100	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	462939	44.693	ug/l	100

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

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