

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122418\
 Data File : VN053197.D
 Acq On : 24 Dec 2018 20:33
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 10:54:03 AM

Quant Time: Dec 25 00:51:39 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	894511	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1391878	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1240143	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	588263	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	490660	54.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.10%	
35) Dibromofluoromethane	7.59	113	408031	64.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	128.34%	
50) Toluene-d8	10.09	98	1751856	51.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.66%	
62) 4-Bromofluorobenzene	12.40	95	611215	51.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.02%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	397038	43.856	ug/l	100
3) Chloromethane	2.06	50	508947	46.392	ug/l	100
4) Vinyl Chloride	2.19	62	518188	46.639	ug/l	100
5) Bromomethane	2.57	94	346685	45.037	ug/l	98
6) Chloroethane	2.71	64	313503	47.643	ug/l	100
7) Trichlorofluoromethane	3.02	101	665877	48.109	ug/l	99
8) Diethyl Ether	3.41	74	268421	51.406	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	420315	47.628	ug/l	98
10) Methyl Iodide	3.96	142	596130	48.102	ug/l	99
11) Tert butyl alcohol	4.78	59	147406	266.134	ug/l	99
12) 1,1-Dichloroethene	3.74	96	414435	48.609	ug/l	100
13) Acrolein	3.61	56	169814	338.124	ug/l	100
14) Allyl chloride	4.33	41	657344	49.775	ug/l	98
15) Acrylonitrile	4.99	53	826448	268.582	ug/l	99
16) Acetone	3.82	43	514099	288.847	ug/l	96
17) Carbon Disulfide	4.06	76	1111108	39.961	ug/l	99
18) Methyl Acetate	4.32	43	452639	55.913	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1213063	53.168	ug/l	99
20) Methylene Chloride	4.55	84	486478	50.107	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	436340	47.634	ug/l	100
22) Diisopropyl ether	5.95	45	1514268	53.718	ug/l	97
23) Vinyl Acetate	5.90	43	4439528	273.884	ug/l	99
24) 1,1-Dichloroethane	5.85	63	856471	51.131	ug/l	99
25) 2-Butanone	6.83	43	861750	288.501	ug/l	98
26) 2,2-Dichloropropane	6.83	77	587608	45.954	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	528398	50.952	ug/l	99
28) Bromochloromethane	7.20	49	390304	53.773	ug/l	98
29) Tetrahydrofuran	7.21	42	610127	273.490	ug/l	99
30) Chloroform	7.37	83	837632	50.904	ug/l	98
31) Cyclohexane	7.66	56	756170	48.092	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	693825	49.497	ug/l	99
36) 1,1-Dichloropropene	7.79	75	635592	47.576	ug/l	99
37) Ethyl Acetate	6.93	43	400923	53.758	ug/l	98
38) Carbon Tetrachloride	7.78	117	591708	48.321	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	710697	43.791	ug/l	98
40) Benzene	8.04	78	1958310	49.281	ug/l	99
41) Methacrylonitrile	7.18	41	243824	56.583	ug/l	93
42) 1,2-Dichloroethane	8.13	62	583293	49.687	ug/l	99
43) Isopropyl Acetate	8.16	43	753147	52.230	ug/l	99
44) Trichloroethene	8.84	130	535603	46.599	ug/l	99
45) 1,2-Dichloropropane	9.12	63	528518	51.062	ug/l	100
46) Dibromomethane	9.21	93	298202	49.456	ug/l	98
47) Bromodichloromethane	9.40	83	641622	50.060	ug/l	100
48) Methyl methacrylate	9.20	41	375293	51.857	ug/l	99
49) 1,4-Dioxane	9.20	88	91132	995.487	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1983457	274.623	ug/l	99
52) Toluene	10.16	92	1210948	49.164	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	662568	49.160	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	767442	49.608	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	442949	51.548	ug/l	98
56) Ethyl methacrylate	10.43	69	600719	52.818	ug/l	97
57) 1,3-Dichloropropane	10.71	76	761079	51.650	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1644042	263.299	ug/l	99
59) 2-Hexanone	10.75	43	1322201	270.577	ug/l	98
60) Dibromochloromethane	10.90	129	488468	49.661	ug/l	100
61) 1,2-Dibromoethane	11.01	107	437837	50.171	ug/l	99
64) Tetrachloroethene	10.63	164	582672	43.374	ug/l	98
65) Chlorobenzene	11.43	112	1340616	48.767	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	480738	50.288	ug/l	100
67) Ethyl Benzene	11.51	91	2310225	48.866	ug/l	100
68) m/p-Xylenes	11.62	106	1746973	97.203	ug/l	99
69) o-Xylene	11.95	106	857862	49.743	ug/l	100
70) Styrene	11.96	104	1413960	50.280	ug/l	100
71) Bromoform	12.13	173	340799	49.348	ug/l #	100
73) Isopropylbenzene	12.25	105	2255760	49.010	ug/l	99
74) N-amyl acetate	12.07	43	667437	52.231	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	508204	56.281	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	482763m	48.750	ug/l	
77) Bromobenzene	12.53	156	588154	49.159	ug/l	99
78) n-propylbenzene	12.59	91	2525183	48.172	ug/l	99
79) 2-Chlorotoluene	12.67	91	1510497	46.488	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1801786	48.028	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	149015	48.501	ug/l	100
82) 4-Chlorotoluene	12.77	91	1541671	48.469	ug/l	100
83) tert-Butylbenzene	12.99	119	1571007	47.349	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1833531	48.617	ug/l	100
85) sec-Butylbenzene	13.17	105	2061239	45.930	ug/l	100
86) p-Isopropyltoluene	13.29	119	1791252	46.192	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1012488	47.815	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1004900	46.862	ug/l	100
89) n-Butylbenzene						

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	454844	43.161	ug/l	100
94) Hexachlorobutadiene	15.01	225	280332	51.356	ug/l	99
95) Naphthalene	15.13	128	1013118	43.945	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	408955	43.083	ug/l	99

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

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