

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122718\
 Data File : VN053199.D
 Acq On : 27 Dec 2018 8:59
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/28/2018 10:14:38 AM

Quant Time: Dec 28 00:53:02 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	7.66	168	929650	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1370433	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1254708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	604732	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	458787	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
35) Dibromofluoromethane	7.59	113	392306	62.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.34%	
50) Toluene-d8	10.09	98	1710220	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
62) 4-Bromofluorobenzene	12.40	95	613474	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	435135	46.248	ug/l 99
3) Chloromethane	2.06	50	539967	47.359	ug/l 100
4) Vinyl Chloride	2.19	62	545107	47.208	ug/l 99
5) Bromomethane	2.57	94	380151	47.518	ug/l 98
6) Chloroethane	2.71	64	328441	48.026	ug/l 99
7) Trichlorofluoromethane	3.02	101	704099	48.948	ug/l 99
8) Diethyl Ether	3.41	74	269748	49.708	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	464765	50.675	ug/l 98
10) Methyl Iodide	3.96	142	626411	48.635	ug/l 99
11) Tert butyl alcohol	4.77	59	134009	232.801	ug/l 99
12) 1,1-Dichloroethene	3.74	96	426831	48.171	ug/l 99
13) Acrolein	3.60	56	136507	261.531	ug/l 100
14) Allyl chloride	4.32	41	689168	50.212	ug/l 98
15) Acrylonitrile	4.98	53	787919	246.382	ug/l 100
16) Acetone	3.81	43	437486	236.511	ug/l 97
17) Carbon Disulfide	4.06	76	1186183	41.048	ug/l 99
18) Methyl Acetate	4.32	43	435346	51.818	ug/l 99
19) Methyl tert-butyl Ether	5.04	73	1176711	49.625	ug/l 100
20) Methylene Chloride	4.55	84	507473	50.294	ug/l 98
21) trans-1,2-Dichloroethene	5.04	96	459498	48.266	ug/l 98
22) Diisopropyl ether	5.95	45	1552092	52.979	ug/l 99
23) Vinyl Acetate	5.89	43	4350680	258.258	ug/l 99
24) 1,1-Dichloroethane	5.85	63	887836	51.000	ug/l 99
25) 2-Butanone	6.83	43	795493	256.253	ug/l 97
26) 2,2-Dichloropropane	6.82	77	677389	50.973	ug/l 100
27) cis-1,2-Dichloroethene	6.83	96	542664	50.350	ug/l 100
28) Bromochloromethane	7.19	49	393146	52.117	ug/l 96
29) Tetrahydrofuran	7.21	42	562820	242.749	ug/l 99
30) Chloroform	7.37	83	867728	50.740	ug/l 99
31) Cyclohexane	7.65	56	809037	49.542	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	725262	49.784	ug/l 100
36) 1,1-Dichloropropene	7.79	75	671047	51.016	ug/l 100
37) Ethyl Acetate	6.92	43	372198	50.687	ug/l 99
38) Carbon Tetrachloride	7.77	117	630492	52.294	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	783689	49.044	ug/l	99
40) Benzene	8.04	78	2035737	52.031	ug/l	100
41) Methacrylonitrile	7.17	41	227353	53.586	ug/l	95
42) 1,2-Dichloroethane	8.12	62	597023	51.653	ug/l	98
43) Isopropyl Acetate	8.16	43	693373	48.768	ug/l	97
44) Trichloroethene	8.83	130	561732	49.637	ug/l	99
45) 1,2-Dichloropropane	9.12	63	544415	53.421	ug/l	99
46) Dibromomethane	9.21	93	305893	51.525	ug/l	99
47) Bromodichloromethane	9.40	83	676495	53.607	ug/l	98
48) Methyl methacrylate	9.20	41	355939	49.953	ug/l	99
49) 1,4-Dioxane	9.20	88	89211	989.753	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1854547	260.792	ug/l	99
52) Toluene	10.16	92	1279876	52.776	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	686675	51.746	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	808918	53.107	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	446989	52.833	ug/l	99
56) Ethyl methacrylate	10.43	69	579664	51.764	ug/l	98
57) 1,3-Dichloropropane	10.71	76	765584	52.769	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1636070	266.123	ug/l	99
59) 2-Hexanone	10.75	43	1301466	270.501	ug/l	99
60) Dibromochloromethane	10.90	129	512355	52.905	ug/l	100
61) 1,2-Dibromoethane	11.00	107	441979	51.438	ug/l	99
64) Tetrachloroethene	10.63	164	623176	45.851	ug/l	98
65) Chlorobenzene	11.43	112	1439523	51.757	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	511993	52.936	ug/l	100
67) Ethyl Benzene	11.51	91	2496297	52.189	ug/l	100
68) m/p-Xylenes	11.62	106	1904996	104.765	ug/l	100
69) o-Xylene	11.95	106	935337	53.605	ug/l	99
70) Styrene	11.96	104	1547733	54.398	ug/l	99
71) Bromoform	12.13	173	354054	50.672	ug/l #	100
73) Isopropylbenzene	12.25	105	2469899	52.201	ug/l	99
74) N-amyl acetate	12.07	43	633331	48.212	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	502600	54.145	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	464144m	45.594	ug/l	
77) Bromobenzene	12.53	156	635848	51.698	ug/l	97
78) n-propylbenzene	12.59	91	2857809	53.033	ug/l	99
79) 2-Chlorotoluene	12.67	91	1662496	49.772	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1991381	51.636	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	159356	50.454	ug/l	95
82) 4-Chlorotoluene	12.77	91	1705950	52.174	ug/l	99
83) tert-Butylbenzene	12.99	119	1761080	51.632	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2029613	52.351	ug/l	100
85) sec-Butylbenzene	13.17	105	2341657	50.757	ug/l	100
86) p-Isopropyltoluene	13.29	119	2060084	51.678	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1128069	51.822	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1116638	50.654	ug/l	99
89) n-Butylbenzene	13.61	91	1733226	50.538	ug/l	100
90) Hexachloroethane	13.87	117	323621	52.901	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1060237	51.752	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	75592	47.098	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	526016	48.481	ug/l	100
94) Hexachlorobutadiene	15.01	225	331102	59.458	ug/l	99
95) Naphthalene	15.13	128	1058759	44.655	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	452801	46.363	ug/l	100

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

