

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121919\
 Data File : VN059664.D
 Acq On : 19 Dec 2019 11:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/20/2019 9:20:19 AM

Quant Time: Dec 20 02:56:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	227374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	365682	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	339717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	165901	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	177340	53.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.20%	
35) Dibromofluoromethane	7.56	113	123232	53.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.72%	
50) Toluene-d8	10.08	98	497380	54.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.82%	
62) 4-Bromofluorobenzene	12.40	95	183898	55.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	190664	64.893	ug/l	98
3) Chloromethane	2.04	50	221893	47.590	ug/l	100
4) Vinyl Chloride	2.17	62	251227	56.820	ug/l	99
5) Bromomethane	2.54	94	149882	58.311	ug/l	99
6) Chloroethane	2.68	64	155364	62.521	ug/l	99
7) Trichlorofluoromethane	3.00	101	293488	60.498	ug/l	100
8) Diethyl Ether	3.38	74	83731	55.240	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	140744	57.570	ug/l	99
10) Methyl Iodide	3.92	142	184089	56.879	ug/l	99
11) Tert butyl alcohol	4.75	59	175119	288.700	ug/l	99
12) 1,1-Dichloroethene	3.71	96	132337	55.491	ug/l	95
13) Acrolein	3.58	56	70811	163.882	ug/l	98
14) Allyl chloride	4.29	41	279309	57.051	ug/l	99
15) Acrylonitrile	4.95	53	440775	300.412	ug/l	100
16) Acetone	3.78	43	548019	278.981	ug/l	99
17) Carbon Disulfide	4.02	76	415202	50.920	ug/l	99
18) Methyl Acetate	4.29	43	236751	57.517	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	502936	59.728	ug/l	99
20) Methylene Chloride	4.52	84	159411	56.190	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	149425	56.204	ug/l	99
22) Diisopropyl ether	5.92	45	556745	61.684	ug/l	98
23) Vinyl Acetate	5.86	43	2377857	335.707	ug/l	99
24) 1,1-Dichloroethane	5.81	63	305871	59.825	ug/l	99
25) 2-Butanone	6.80	43	703397	299.446	ug/l	100
26) 2,2-Dichloropropane	6.79	77	278059	59.839	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	177149	60.132	ug/l	99
28) Bromochloromethane	7.17	49	113932	53.002	ug/l	98
29) Tetrahydrofuran	7.18	42	424989	296.944	ug/l	99
30) Chloroform	7.35	83	299312	59.474	ug/l	99
31) Cyclohexane	7.63	56	274037	56.725	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	261851	57.712	ug/l	99
36) 1,1-Dichloropropene	7.77	75	230962	60.564	ug/l	98
37) Ethyl Acetate	6.90	43	265691	59.944	ug/l	100
38) Carbon Tetrachloride	7.75	117	229813	58.075	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	264906	61.241	ug/l	99
40) Benzene	8.02	78	664002	59.581	ug/l	99
41) Methacrylonitrile	7.15	41	115952m	63.389	ug/l	
42) 1,2-Dichloroethane	8.10	62	254827	59.707	ug/l	100
43) Isopropyl Acetate	8.14	43	422890	61.368	ug/l #	91
44) Trichloroethene	8.82	130	173131	59.309	ug/l	98
45) 1,2-Dichloropropane	9.10	63	183427	60.950	ug/l	99
46) Dibromomethane	9.19	93	116364	59.019	ug/l	99
47) Bromodichloromethane	9.39	83	239726	60.984	ug/l	98
48) Methyl methacrylate	9.18	41	193699	61.954	ug/l	99
49) 1,4-Dioxane	9.18	88	59139	1319.940	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	1323695	322.174	ug/l	100
52) Toluene	10.14	92	406967	59.432	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	278598	61.281	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	293031	61.318	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	163721	60.930	ug/l	99
56) Ethyl methacrylate	10.42	69	258088	64.700	ug/l	99
57) 1,3-Dichloropropane	10.70	76	290050	61.996	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	177324	139.772	ug/l	100
59) 2-Hexanone	10.74	43	1052435	325.012	ug/l	100
60) Dibromochloromethane	10.89	129	184478	62.904	ug/l	99
61) 1,2-Dibromoethane	11.00	107	169952	59.638	ug/l	99
64) Tetrachloroethene	10.62	164	164554	51.962	ug/l	98
65) Chlorobenzene	11.43	112	431168	58.657	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	164924	59.070	ug/l	100
67) Ethyl Benzene	11.50	91	803607	60.566	ug/l	99
68) m/p-Xylenes	11.62	106	596879	121.824	ug/l	99
69) o-Xylene	11.94	106	284821	61.095	ug/l	99
70) Styrene	11.96	104	465096	62.093	ug/l	99
71) Bromoform	12.12	173	130955	62.396	ug/l #	99
73) Isopropylbenzene	12.25	105	771562	59.245	ug/l	100
74) N-amyl acetate	12.07	43	363247	60.806	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	238453	57.721	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	244993m	59.653	ug/l	
77) Bromobenzene	12.52	156	181033	56.524	ug/l	98
78) n-propylbenzene	12.59	91	929122	60.354	ug/l	99
79) 2-Chlorotoluene	12.67	91	540157	58.026	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	658013	59.706	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	98596	59.295	ug/l	100
82) 4-Chlorotoluene	12.77	91	557791	58.522	ug/l	100
83) tert-Butylbenzene	12.99	119	552471	59.194	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	665448	60.723	ug/l	99
85) sec-Butylbenzene	13.17	105	747281	60.191	ug/l	99
86) p-Isopropyltoluene	13.29	119	679107	60.395	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	333377	56.607	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	331938	55.903	ug/l	99
89) n-Butylbenzene	13.61	91	631881	59.939	ug/l	100
90) Hexachloroethane	13.87	117	128627	60.518	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	325329	56.014	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57090	50.980	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	201947	53.846	ug/l	99
94) Hexachlorobutadiene	15.01	225	107397	55.133	ug/l	98
95) Naphthalene	15.12	128	584434	52.199	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	194422	51.255	ug/l	99

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

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