

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121619\
 Data File : VN059596.D
 Acq On : 16 Dec 2019 12:00
 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
 12/17/2019 12:45:31 PM

Quant Time: Dec 17 05:27:38 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	235953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	375702	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	344295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	164989	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	204914	59.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.36%	
35) Dibromofluoromethane	7.56	113	142087	60.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.88%	
50) Toluene-d8	10.08	98	572422	61.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.02%	
62) 4-Bromofluorobenzene	12.40	95	210311	61.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	167614	54.974	ug/l	98
3) Chloromethane	2.04	50	254790	52.659	ug/l	99
4) Vinyl Chloride	2.17	62	244188	53.220	ug/l	97
5) Bromomethane	2.55	94	134707	50.502	ug/l	98
6) Chloroethane	2.68	64	143570	55.675	ug/l	98
7) Trichlorofluoromethane	3.00	101	265945	52.827	ug/l	99
8) Diethyl Ether	3.38	74	89736	57.049	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	140456	55.363	ug/l	99
10) Methyl Iodide	3.92	142	185638	55.272	ug/l	100
11) Tert butyl alcohol	4.75	59	173883	276.239	ug/l	99
12) 1,1-Dichloroethene	3.71	96	134535	54.361	ug/l	97
13) Acrolein	3.58	56	99280	221.415	ug/l	99
14) Allyl chloride	4.29	41	272637	53.663	ug/l	99
15) Acrylonitrile	4.95	53	432327	283.941	ug/l	99
16) Acetone	3.79	43	503858	247.174	ug/l	99
17) Carbon Disulfide	4.02	76	421257	49.741	ug/l	100
18) Methyl Acetate	4.29	43	225806	52.864	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	497170	56.896	ug/l	98
20) Methylene Chloride	4.52	84	158114	53.706	ug/l	97
21) trans-1,2-Dichloroethene	5.00	96	153394	55.599	ug/l	100
22) Diisopropyl ether	5.92	45	538173	57.458	ug/l	99
23) Vinyl Acetate	5.86	43	2299346	312.820	ug/l	100
24) 1,1-Dichloroethane	5.82	63	301924	56.906	ug/l	100
25) 2-Butanone	6.80	43	666060	273.241	ug/l	98
26) 2,2-Dichloropropane	6.79	77	277392	57.525	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	175624	57.447	ug/l	99
28) Bromochloromethane	7.16	49	126179	56.534	ug/l	99
29) Tetrahydrofuran	7.18	42	410030	276.076	ug/l	100
30) Chloroform	7.35	83	301502	57.731	ug/l	96
31) Cyclohexane	7.63	56	275450	54.945	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	263816	56.031	ug/l	99
36) 1,1-Dichloropropene	7.77	75	229404	58.551	ug/l	99
37) Ethyl Acetate	6.90	43	258593	56.786	ug/l	100
38) Carbon Tetrachloride	7.75	117	232482	57.182	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	272021	61.208	ug/l	99
40) Benzene	8.02	78	656854	57.367	ug/l	99
41) Methacrylonitrile	7.15	41	102884m	54.745	ug/l	
42) 1,2-Dichloroethane	8.10	62	254808	58.110	ug/l	99
43) Isopropyl Acetate	8.14	43	412440	58.255	ug/l	99
44) Trichloroethene	8.82	130	172247	57.432	ug/l	99
45) 1,2-Dichloropropane	9.10	63	178728	57.805	ug/l	98
46) Dibromomethane	9.19	93	115798	57.165	ug/l	99
47) Bromodichloromethane	9.39	83	238617	59.083	ug/l	99
48) Methyl methacrylate	9.18	41	186628	58.101	ug/l	99
49) 1,4-Dioxane	9.18	88	59742	1297.836	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	1258944	298.242	ug/l	99
52) Toluene	10.14	92	406355	57.760	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	275163	58.911	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	289942	59.054	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	159398	57.739	ug/l	99
56) Ethyl methacrylate	10.42	69	252900	61.708	ug/l	98
57) 1,3-Dichloropropane	10.70	76	282970	58.870	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	375161	287.826	ug/l	99
59) 2-Hexanone	10.74	43	986971	296.666	ug/l	99
60) Dibromochloromethane	10.89	129	180809	60.009	ug/l	100
61) 1,2-Dibromoethane	11.00	107	168367	57.506	ug/l	99
64) Tetrachloroethene	10.62	164	165204	51.473	ug/l	98
65) Chlorobenzene	11.43	112	424639	57.001	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	162294	57.355	ug/l	98
67) Ethyl Benzene	11.51	91	789785	58.733	ug/l	99
68) m/p-Xylenes	11.62	106	583796	117.569	ug/l	99
69) o-Xylene	11.94	106	278064	58.853	ug/l	100
70) Styrene	11.96	104	454426	59.862	ug/l	99
71) Bromoform	12.12	173	129128	60.708	ug/l	# 99
73) Isopropylbenzene	12.25	105	758868	58.592	ug/l	99
74) N-amyl acetate	12.07	43	352871	59.396	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	232427	56.573	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	227727m	55.755	ug/l	
77) Bromobenzene	12.52	156	176321	55.358	ug/l	99
78) n-propylbenzene	12.59	91	909160	59.383	ug/l	99
79) 2-Chlorotoluene	12.67	91	529724	57.220	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	642534	58.623	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	94089	56.897	ug/l	99
82) 4-Chlorotoluene	12.77	91	552906	58.331	ug/l	99
83) tert-Butylbenzene	12.99	119	535073	57.647	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	647411	59.404	ug/l	100
85) sec-Butylbenzene	13.17	105	731923	59.280	ug/l	100
86) p-Isopropyltoluene	13.29	119	672692	60.155	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	324534	55.410	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	323006	54.699	ug/l	99
89) n-Butylbenzene	13.61	91	617572	58.905	ug/l	100
90) Hexachloroethane	13.87	117	125430	59.340	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	318640	55.165	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	56235	50.486	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	206078	55.251	ug/l	99
94) Hexachlorobutadiene	15.01	225	104004	53.622	ug/l	98
95) Naphthalene	15.12	128	613170	55.068	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	201628	53.448	ug/l	99

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

