

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112719\
 Data File : VN059417.D
 Acq On : 27 Nov 2019 10:28
 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

Quant Time: Nov 28 02:03:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112719W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 16:56:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	396714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	611772	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	547795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	259473	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	214967	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	
35) Dibromofluoromethane	7.57	113	180846	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
50) Toluene-d8	10.08	98	699140	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	
62) 4-Bromofluorobenzene	12.40	95	250834	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	

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Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	174714	37.418	ug/l	99
3) Chloromethane	2.04	50	210586	36.922	ug/l	100
4) Vinyl Chloride	2.17	62	232184	42.363	ug/l	99
5) Bromomethane	2.55	94	127154	38.532	ug/l	98
6) Chloroethane	2.69	64	120866	39.332	ug/l	97
7) Trichlorofluoromethane	3.00	101	243327	37.273	ug/l	95
8) Diethyl Ether	3.39	74	106715	40.166	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	159938	39.779	ug/l	99
10) Methyl Iodide	3.93	142	210765	40.274	ug/l	99
11) Tert butyl alcohol	4.75	59	149356	185.526	ug/l #	85
12) 1,1-Dichloroethene	3.71	96	158348	40.215	ug/l	98
13) Acrolein	3.58	56	98898	125.848	ug/l	98
14) Allyl chloride	4.29	41	289496	39.642	ug/l	99
15) Acrylonitrile	4.95	53	447577	199.521	ug/l	99
16) Acetone	3.79	43	517093	233.569	ug/l	99
17) Carbon Disulfide	4.03	76	468208	34.651	ug/l	99
18) Methyl Acetate	4.29	43	257323	42.682	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	528102	41.621	ug/l	99
20) Methylene Chloride	4.52	84	176947	39.335	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	168877	39.365	ug/l	99
22) Diisopropyl ether	5.92	45	568551	41.895	ug/l	98
23) Vinyl Acetate	5.86	43	2211677	202.009	ug/l	100
24) 1,1-Dichloroethane	5.82	63	323292	41.405	ug/l	99
25) 2-Butanone	6.81	43	638256	209.566	ug/l	100
26) 2,2-Dichloropropane	6.79	77	276489	41.609	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	192170	40.958	ug/l	99
28) Bromochloromethane	7.17	49	131555	39.651	ug/l	99
29) Tetrahydrofuran	7.18	42	394963	194.989	ug/l	99
30) Chloroform	7.35	83	311736	39.675	ug/l	100
31) Cyclohexane	7.63	56	289470	36.981	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	263867	41.066	ug/l	100
36) 1,1-Dichloropropene	7.77	75	238618	40.560	ug/l	99
37) Ethyl Acetate	6.90	43	238299	38.285	ug/l	100
38) Carbon Tetrachloride	7.75	117	232902	41.948	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	288574	41.001	ug/l	100
40) Benzene	8.02	78	722462	41.359	ug/l	99
41) Methacrylonitrile	7.15	41	110121m	37.994	ug/l	
42) 1,2-Dichloroethane	8.10	62	234720	42.377	ug/l	100
43) Isopropyl Acetate	8.14	43	384521	40.665	ug/l	100
44) Trichloroethene	8.82	130	183043	41.097	ug/l	99
45) 1,2-Dichloropropane	9.10	63	191138	41.833	ug/l	100
46) Dibromomethane	9.19	93	117074	41.522	ug/l	99
47) Bromodichloromethane	9.39	83	241027	42.265	ug/l	100
48) Methyl methacrylate	9.18	41	172957	41.228	ug/l	100
49) 1,4-Dioxane	9.19	88	51706	843.902	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	1168628	213.068	ug/l	100
52) Toluene	10.15	92	434883	41.672	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	280649	42.828	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	308029	43.545	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	172851	42.317	ug/l	99
56) Ethyl methacrylate	10.42	69	266167	46.739	ug/l	99
57) 1,3-Dichloropropane	10.70	76	295609	41.872	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	510791	291.857	ug/l	100
59) 2-Hexanone	10.74	43	879076	216.146	ug/l	100
60) Dibromochloromethane	10.90	129	187221	43.910	ug/l	99
61) 1,2-Dibromoethane	11.00	107	176459	42.158	ug/l	100
64) Tetrachloroethene	10.63	164	163709	40.404	ug/l	99
65) Chlorobenzene	11.43	112	461595	41.623	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	170317	42.350	ug/l	100
67) Ethyl Benzene	11.51	91	830630	42.642	ug/l	100
68) m/p-Xylenes	11.62	106	617963	84.971	ug/l	100
69) o-Xylene	11.95	106	292980	42.006	ug/l	99
70) Styrene	11.96	104	479032	46.041	ug/l	99
71) Bromoform	12.13	173	133484	43.590	ug/l	# 98
73) Isopropylbenzene	12.25	105	794004	41.307	ug/l	100
74) N-amyl acetate	12.07	43	303392	45.137	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	253611	40.458	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	220625m	37.585	ug/l	
77) Bromobenzene	12.53	156	192274	40.856	ug/l	99
78) n-propylbenzene	12.59	91	932144	42.082	ug/l	100
79) 2-Chlorotoluene	12.67	91	546131	41.239	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	672522	41.622	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	92548	40.511	ug/l	99
82) 4-Chlorotoluene	12.77	91	566412	41.569	ug/l	99
83) tert-Butylbenzene	12.99	119	574396	41.400	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	663212	41.900	ug/l	100
85) sec-Butylbenzene	13.17	105	775698	42.101	ug/l	100
86) p-Isopropyltoluene	13.29	119	706611	42.423	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	345176	41.387	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	343298	41.000	ug/l	99
89) n-Butylbenzene	13.62	91	617245	42.392	ug/l	100
90) Hexachloroethane	13.88	117	127241	39.967	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	336003	41.115	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48009	44.989	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	205227	40.399	ug/l	100
94) Hexachlorobutadiene	15.01	225	121295	38.962	ug/l	100
95) Naphthalene	15.13	128	514236	46.180	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	202982	47.407	ug/l	99

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

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