

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN040419\
 Data File : VN054959.D
 Acq On : 4 Apr 2019 20:23
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 1:43:22 PM

Quant Time: Apr 05 04:09:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N040419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 02:23:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	426298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	716547	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	621541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	278124	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	305758	54.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.80%	
35) Dibromofluoromethane	7.59	113	240374	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
50) Toluene-d8	10.09	98	907843	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
62) 4-Bromofluorobenzene	12.40	95	309082	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	261184	51.238	ug/l	100
3) Chloromethane	2.06	50	333098	49.423	ug/l	99
4) Vinyl Chloride	2.19	62	292260	49.631	ug/l	99
5) Bromomethane	2.57	94	158058	47.022	ug/l	97
6) Chloroethane	2.71	64	157710	48.020	ug/l	98
7) Trichlorofluoromethane	3.02	101	356509	49.863	ug/l	99
8) Diethyl Ether	3.41	74	113282	49.748	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	182637	48.213	ug/l	99
10) Methyl Iodide	3.94	142	270346	50.630	ug/l	99
11) Tert butyl alcohol	4.82	59	86937	299.737	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	182994	48.699	ug/l	100
13) Acrolein	3.61	56	122033	277.194	ug/l	98
14) Allyl chloride	4.32	41	438729	52.607	ug/l	99
15) Acrylonitrile	5.00	53	475561	273.420	ug/l	100
16) Acetone	3.82	43	321467	227.521	ug/l	98
17) Carbon Disulfide	4.04	76	594993	49.743	ug/l	100
18) Methyl Acetate	4.33	43	205666	56.208	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	649940	53.325	ug/l	98
20) Methylene Chloride	4.55	84	259707	49.785	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	237849	50.680	ug/l	99
22) Diisopropyl ether	5.96	45	902460	52.688	ug/l	99
23) Vinyl Acetate	5.90	43	3374078	283.093	ug/l	100
24) 1,1-Dichloroethane	5.85	63	476628	51.028	ug/l	99
25) 2-Butanone	6.85	43	584618	277.003	ug/l	99
26) 2,2-Dichloropropane	6.82	77	305164	46.605	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	272591	51.203	ug/l	99
28) Bromochloromethane	7.19	49	224549	51.316	ug/l	99
29) Tetrahydrofuran	7.22	42	397736	287.519	ug/l	100
30) Chloroform	7.37	83	452293	51.094	ug/l	99
31) Cyclohexane	7.65	56	448442	50.712	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	376320	50.378	ug/l	100
36) 1,1-Dichloropropene	7.79	75	345946	48.726	ug/l	100
37) Ethyl Acetate	6.94	43	268962	55.202	ug/l	100
38) Carbon Tetrachloride	7.77	117	327708	47.795	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	385404	49.342	ug/l	99
40) Benzene	8.04	78	1028607	50.349	ug/l	99
41) Methacrylonitrile	7.18	41	159895	57.393	ug/l	95
42) 1,2-Dichloroethane	8.13	62	360669	50.240	ug/l	99
43) Isopropyl Acetate	8.17	43	465174	56.649	ug/l	100
44) Trichloroethene	8.83	130	263735	50.489	ug/l	99
45) 1,2-Dichloropropane	9.12	63	289098	50.788	ug/l	100
46) Dibromomethane	9.21	93	164454	50.947	ug/l	99
47) Bromodichloromethane	9.40	83	346932	51.171	ug/l	99
48) Methyl methacrylate	9.20	41	233115	56.079	ug/l	99
49) 1,4-Dioxane	9.20	88	48865	1164.641	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1287832	281.130	ug/l	99
52) Toluene	10.16	92	611591	50.788	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	339718	48.514	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	400280	52.456	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	224585	51.440	ug/l	99
56) Ethyl methacrylate	10.43	69	316285	55.407	ug/l	98
57) 1,3-Dichloropropane	10.71	76	396979	52.063	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	632457	249.446	ug/l	99
59) 2-Hexanone	10.75	43	808557	282.584	ug/l	100
60) Dibromochloromethane	10.90	129	242454	53.017	ug/l	100
61) 1,2-Dibromoethane	11.00	107	222660	54.240	ug/l	99
64) Tetrachloroethene	10.63	164	243403	48.556	ug/l	99
65) Chlorobenzene	11.43	112	634774	50.105	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	242312	52.240	ug/l	99
67) Ethyl Benzene	11.51	91	1156459	50.628	ug/l	100
68) m/p-Xylenes	11.62	106	852620	102.107	ug/l	99
69) o-Xylene	11.95	106	418949	51.437	ug/l	100
70) Styrene	11.96	104	697627	53.399	ug/l	100
71) Bromoform	12.13	173	149684	53.688	ug/l #	99
73) Isopropylbenzene	12.25	105	1102631	46.932	ug/l	99
74) N-amyl acetate	12.07	43	376511	57.655	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	282729	55.499	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	234327m	55.123	ug/l	
77) Bromobenzene	12.53	156	274653	48.271	ug/l	97
78) n-propylbenzene	12.59	91	1246469	48.154	ug/l	100
79) 2-Chlorotoluene	12.67	91	756981	47.187	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	928961	48.145	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	65898	54.731	ug/l	97
82) 4-Chlorotoluene	12.77	91	749011	49.363	ug/l	99
83) tert-Butylbenzene	12.99	119	772136	47.042	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	913006	48.906	ug/l	100
85) sec-Butylbenzene	13.17	105	1013047	47.717	ug/l	100
86) p-Isopropyltoluene	13.29	119	888637	48.579	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	463033	48.923	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	450750	50.026	ug/l	99
89) n-Butylbenzene	13.61	91	740786	50.672	ug/l	99
90) Hexachloroethane	13.88	117	153521	49.962	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	459800	49.481	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	42771	53.184	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	235234	48.542	ug/l	98
94) Hexachlorobutadiene	15.01	225	138128	44.431	ug/l	96
95) Naphthalene	15.13	128	519176	49.356	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	234197	54.882	ug/l	100

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

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