

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040119\
 Data File : VN054865.D
 Acq On : 1 Apr 2019 10:08
 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

MMDadoda
 4/2/2019 10:51:48 AM

Quant Time: Apr 02 04:30:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	464041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	715550	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	634242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	292107	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	309044	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
35) Dibromofluoromethane	7.59	113	243616	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
50) Toluene-d8	10.09	98	927482	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
62) 4-Bromofluorobenzene	12.40	95	323130	54.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	220710	47.022	ug/l	99
3) Chloromethane	2.06	50	298774	46.036	ug/l	98
4) Vinyl Chloride	2.19	62	275994	47.355	ug/l	100
5) Bromomethane	2.57	94	143758	46.908	ug/l	94
6) Chloroethane	2.71	64	152897	46.981	ug/l	100
7) Trichlorofluoromethane	3.02	101	360417	50.300	ug/l	98
8) Diethyl Ether	3.41	74	114403	49.584	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.75	101	194912	51.673	ug/l	93
10) Methyl Iodide	3.94	142	243569	47.169	ug/l #	89
11) Tert butyl alcohol	4.82	59	84279	258.590	ug/l	100
12) 1,1-Dichloroethene	3.73	96	183007	50.171	ug/l #	76
13) Acrolein	3.61	56	33031	113.366	ug/l	95
14) Allyl chloride	4.32	41	437662	48.712	ug/l #	92
15) Acrylonitrile	4.99	53	454768	251.038	ug/l	99
16) Acetone	3.82	43	533046	357.343	ug/l #	83
17) Carbon Disulfide	4.04	76	579427	48.976	ug/l	99
18) Methyl Acetate	4.33	43	202976	52.283	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	633321	49.636	ug/l	92
20) Methylene Chloride	4.54	84	251180	47.736	ug/l #	79
21) trans-1,2-Dichloroethene	5.03	96	235958	49.249	ug/l	86
22) Diisopropyl ether	5.96	45	896688	50.461	ug/l #	94
23) Vinyl Acetate	5.90	43	3230804	261.260	ug/l #	92
24) 1,1-Dichloroethane	5.84	63	471304	49.720	ug/l	98
25) 2-Butanone	6.84	43	678237	307.590	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	350615	52.773	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	270990	50.068	ug/l	87
28) Bromochloromethane	7.19	49	265114	55.932	ug/l #	70
29) Tetrahydrofuran	7.22	42	379058	247.510	ug/l #	84
30) Chloroform	7.37	83	458262	50.699	ug/l	98
31) Cyclohexane	7.65	56	444717	51.552	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	381588	50.942	ug/l	95
36) 1,1-Dichloropropene	7.79	75	349852	52.471	ug/l	96
37) Ethyl Acetate	6.93	43	252352	51.611	ug/l	95
38) Carbon Tetrachloride	7.77	117	331473	51.185	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	397463	54.222	ug/l	89
40) Benzene	8.04	78	1017662	53.341	ug/l	100
41) Methacrylonitrile	7.18	41	141854	51.646	ug/l	90
42) 1,2-Dichloroethane	8.12	62	359201	52.730	ug/l	97
43) Isopropyl Acetate	8.17	43	443105	55.774	ug/l #	93
44) Trichloroethene	8.83	130	264116	53.330	ug/l	93
45) 1,2-Dichloropropane	9.12	63	281561	51.757	ug/l	100
46) Dibromomethane	9.21	93	163064	53.285	ug/l	88
47) Bromodichloromethane	9.40	83	352921	55.490	ug/l	97
48) Methyl methacrylate	9.20	41	219241	50.908	ug/l	90
49) 1,4-Dioxane	9.20	88	49386	1155.731	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	1248024	279.405	ug/l	93
52) Toluene	10.15	92	611405	53.857	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	339516	56.750	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	408771	57.198	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	220522	52.241	ug/l	95
56) Ethyl methacrylate	10.43	69	294824	53.242	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	396228	54.598	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	518913	218.892	ug/l	90
59) 2-Hexanone	10.75	43	857883	300.020	ug/l	91
60) Dibromochloromethane	10.90	129	243453	56.935	ug/l	99
61) 1,2-Dibromoethane	11.00	107	218783	54.234	ug/l	99
64) Tetrachloroethene	10.63	164	256716	52.746	ug/l	96
65) Chlorobenzene	11.43	112	643402	51.813	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	246558	53.047	ug/l	99
67) Ethyl Benzene	11.51	91	1181522	52.727	ug/l	97
68) m/p-Xylenes	11.62	106	881733	106.328	ug/l	95
69) o-Xylene	11.95	106	420879	51.758	ug/l	94
70) Styrene	11.96	104	718525	55.263	ug/l	97
71) Bromoform	12.13	173	150646	55.325	ug/l #	100
73) Isopropylbenzene	12.25	105	1139353	47.720	ug/l	97
74) N-amyl acetate	12.07	43	365900	49.192	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	270233	51.391	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	224737m	44.287	ug/l	
77) Bromobenzene	12.53	156	278986	48.416	ug/l	85
78) n-propylbenzene	12.59	91	1316402	50.164	ug/l	95
79) 2-Chlorotoluene	12.67	91	778066	47.925	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	958771	48.940	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	65325	50.073	ug/l #	83
82) 4-Chlorotoluene	12.77	91	786197	49.857	ug/l	95
83) tert-Butylbenzene	12.99	119	806732	53.284	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	943553	50.554	ug/l	97
85) sec-Butylbenzene	13.17	105	1069426	50.251	ug/l	97
86) p-Isopropyltoluene	13.29	119	957702	51.022	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	490199	50.811	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	478931	50.615	ug/l	98
89) n-Butylbenzene	13.61	91	823106	53.747	ug/l	97
90) Hexachloroethane	13.87	117	159860	50.162	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	477469	49.039	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	42242	51.754	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	254239	54.162	ug/l	98
94) Hexachlorobutadiene	15.01	225	160685	58.144	ug/l	99
95) Naphthalene	15.13	128	514400	48.861	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	243818	51.432	ug/l	98

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

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