

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032619\
 Data File : VN054685.D
 Acq On : 26 Mar 2019 9:10
 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
 3/27/2019 9:10:04 AM

Quant Time: Mar 27 04:12:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	424254	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	675420	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	601084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	274740	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	270918	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
35) Dibromofluoromethane	7.59	113	217758	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
50) Toluene-d8	10.09	98	816857	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.40	95	287398	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	215858	53.223	ug/l	100
3) Chloromethane	2.06	50	283132	51.309	ug/l	100
4) Vinyl Chloride	2.19	62	264420	47.727	ug/l	100
5) Bromomethane	2.57	94	148578	41.474	ug/l	99
6) Chloroethane	2.71	64	147189	44.293	ug/l	98
7) Trichlorofluoromethane	3.02	101	337592	50.176	ug/l	100
8) Diethyl Ether	3.41	74	108070	41.764	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	182532	46.162	ug/l	94
10) Methyl Iodide	3.94	142	252117	43.344	ug/l #	88
11) Tert butyl alcohol	4.81	59	70204	219.742	ug/l	100
12) 1,1-Dichloroethene	3.73	96	170500	41.666	ug/l #	75
13) Acrolein	3.61	56	130580	296.173	ug/l	96
14) Allyl chloride	4.32	41	410586	53.284	ug/l #	91
15) Acrylonitrile	4.99	53	420119	264.060	ug/l	99
16) Acetone	3.82	43	446038	281.138	ug/l #	83
17) Carbon Disulfide	4.04	76	504603	46.022	ug/l	100
18) Methyl Acetate	4.33	43	187067	52.900	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	601029	50.327	ug/l	94
20) Methylene Chloride	4.54	84	232600	49.735	ug/l #	80
21) trans-1,2-Dichloroethene	5.03	96	213754	51.156	ug/l #	81
22) Diisopropyl ether	5.96	45	848972	55.856	ug/l #	93
23) Vinyl Acetate	5.90	43	2989834	278.519	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	443348	54.174	ug/l	98
25) 2-Butanone	6.84	43	591848	291.212	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	322046	55.204	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	249862	50.133	ug/l	85
28) Bromochloromethane	7.19	49	225789	56.052	ug/l #	72
29) Tetrahydrofuran	7.22	42	347214	263.266	ug/l #	84
30) Chloroform	7.37	83	430479	53.900	ug/l	98
31) Cyclohexane	7.65	56	416671	53.256	ug/l	85
32) 1,1,1-Trichloroethane	7.57	97	358728	54.443	ug/l	95
36) 1,1-Dichloropropene	7.79	75	323054	51.155	ug/l	96
37) Ethyl Acetate	6.93	43	235949	52.531	ug/l	95
38) Carbon Tetrachloride	7.77	117	315725	51.446	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	369449	51.142	ug/l	90
40) Benzene	8.04	78	939062	52.000	ug/l	99
41) Methacrylonitrile	7.17	41	142875	52.159	ug/l #	88
42) 1,2-Dichloroethane	8.12	62	343685	52.259	ug/l	97
43) Isopropyl Acetate	8.17	43	406774	53.624	ug/l #	93
44) Trichloroethene	8.83	130	246369	49.071	ug/l	91
45) 1,2-Dichloropropane	9.12	63	270112	55.703	ug/l	100
46) Dibromomethane	9.21	93	154105	53.270	ug/l	87
47) Bromodichloromethane	9.40	83	327278	54.512	ug/l	99
48) Methyl methacrylate	9.20	41	209525	50.890	ug/l #	87
49) 1,4-Dioxane	9.20	88	43720	949.851	ug/l #	84
51) 4-Methyl-2-Pentanone	9.99	43	1138280	270.760	ug/l	92
52) Toluene	10.15	92	569657	51.288	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	316507	49.976	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	380379	55.256	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	204919	51.325	ug/l	95
56) Ethyl methacrylate	10.43	69	273526	51.042	ug/l #	81
57) 1,3-Dichloropropane	10.71	76	367106	52.895	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	522011	236.564	ug/l	89
59) 2-Hexanone	10.75	43	754274	274.679	ug/l	92
60) Dibromochloromethane	10.90	129	231355	54.456	ug/l	99
61) 1,2-Dibromoethane	11.00	107	204117	51.713	ug/l	99
64) Tetrachloroethene	10.63	164	243256	48.790	ug/l	96
65) Chlorobenzene	11.43	112	612242	50.080	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	232744	53.040	ug/l	98
67) Ethyl Benzene	11.51	91	1103585	51.103	ug/l	98
68) m/p-Xylenes	11.62	106	833666	101.918	ug/l	95
69) o-Xylene	11.95	106	403327	50.490	ug/l	97
70) Styrene	11.96	104	676465	52.146	ug/l	97
71) Bromoform	12.13	173	139797	46.379	ug/l #	100
73) Isopropylbenzene	12.25	105	1073576	48.492	ug/l	98
74) N-amyl acetate	12.07	43	341662	53.672	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	251884	49.840	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	209518m	48.058	ug/l	
77) Bromobenzene	12.53	156	261705	47.662	ug/l	86
78) n-propylbenzene	12.59	91	1230164	51.242	ug/l	96
79) 2-Chlorotoluene	12.67	91	733475	48.995	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	906619	49.966	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	57641	45.859	ug/l #	80
82) 4-Chlorotoluene	12.77	91	741889	51.126	ug/l	96
83) tert-Butylbenzene	12.99	119	768172	48.636	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	894274	50.228	ug/l	98
85) sec-Butylbenzene	13.17	105	987357	50.148	ug/l	97
86) p-Isopropyltoluene	13.29	119	889848	50.517	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	468353	51.472	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	448310	50.639	ug/l	98
89) n-Butylbenzene	13.61	91	758973	55.104	ug/l	98
90) Hexachloroethane	13.87	117	148612	54.353	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	446749	50.690	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37751	50.927	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	234018	53.264	ug/l	99
94) Hexachlorobutadiene	15.01	225	148179	60.552	ug/l	100
95) Naphthalene	15.13	128	479001	48.878	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	221725	50.706	ug/l	98

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

