

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054594.D
 Acq On : 23 Mar 2019 8:45
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 12:53:43 PM

Quant Time: Mar 25 02:27:05 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	462299	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	780050	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	674428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	296085	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	334432	58.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.32%	
35) Dibromofluoromethane	7.59	113	261114	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
50) Toluene-d8	10.09	98	972617	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	12.40	95	331356	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	230205	52.089	ug/l	98
3) Chloromethane	2.06	50	327548	54.473	ug/l	99
4) Vinyl Chloride	2.19	62	302882	50.170	ug/l	97
5) Bromomethane	2.57	94	165024	42.273	ug/l	96
6) Chloroethane	2.71	64	168022	46.402	ug/l	99
7) Trichlorofluoromethane	3.02	101	358985	48.964	ug/l	97
8) Diethyl Ether	3.41	74	134528	47.711	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.75	101	183861	42.671	ug/l	93
10) Methyl Iodide	3.94	142	288427	45.506	ug/l	91
11) Tert butyl alcohol	4.82	59	105097	301.887	ug/l	100
12) 1,1-Dichloroethene	3.73	96	193960	43.498	ug/l #	75
13) Acrolein	3.61	56	109567	228.061	ug/l	97
14) Allyl chloride	4.32	41	446464	53.172	ug/l #	90
15) Acrylonitrile	5.00	53	550400	317.476	ug/l	100
16) Acetone	3.82	43	382737	221.386	ug/l #	85
17) Carbon Disulfide	4.04	76	511768	42.834	ug/l	99
18) Methyl Acetate	4.33	43	244591	63.475	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	752830	57.850	ug/l	96
20) Methylene Chloride	4.54	84	272349	53.441	ug/l #	84
21) trans-1,2-Dichloroethene	5.03	96	249697	54.840	ug/l #	84
22) Diisopropyl ether	5.96	45	989769	59.760	ug/l #	91
23) Vinyl Acetate	5.90	43	3576732	305.772	ug/l #	93
24) 1,1-Dichloroethane	5.84	63	511211	57.326	ug/l	97
25) 2-Butanone	6.85	43	685474	309.523	ug/l	90
26) 2,2-Dichloropropane	6.82	77	207548	32.649	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	289670	53.337	ug/l	91
28) Bromochloromethane	7.19	49	259980	59.228	ug/l #	72
29) Tetrahydrofuran	7.22	42	477692	332.391	ug/l #	84
30) Chloroform	7.37	83	489735	56.273	ug/l	99
31) Cyclohexane	7.65	56	464170	54.487	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	394998	55.014	ug/l	96
36) 1,1-Dichloropropene	7.79	75	360344	49.406	ug/l	96
37) Ethyl Acetate	6.94	43	308476	59.466	ug/l	96
38) Carbon Tetrachloride	7.77	117	332473	46.909	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	380275	45.580	ug/l	89
40) Benzene	8.04	78	1094107	52.459	ug/l	99
41) Methacrylonitrile	7.18	41	172674	54.582	ug/l	89
42) 1,2-Dichloroethane	8.13	62	399435	52.589	ug/l	97
43) Isopropyl Acetate	8.17	43	521872	59.569	ug/l #	94
44) Trichloroethene	8.84	130	286145	49.349	ug/l	95
45) 1,2-Dichloropropane	9.12	63	308816	55.142	ug/l	98
46) Dibromomethane	9.21	93	177931	53.256	ug/l	91
47) Bromodichloromethane	9.40	83	359127	51.794	ug/l	97
48) Methyl methacrylate	9.20	41	270808	56.952	ug/l	86
49) 1,4-Dioxane	9.20	88	58662	1103.529	ug/l #	85
51) 4-Methyl-2-Pentanone	9.99	43	1503657	309.696	ug/l	94
52) Toluene	10.16	92	654892	51.053	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	325047	44.688	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	397284	49.971	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	245165	53.169	ug/l	96
56) Ethyl methacrylate	10.43	69	352409	56.942	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	436728	54.486	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	667549	261.941	ug/l	90
59) 2-Hexanone	10.75	43	947456	298.750	ug/l	92
60) Dibromochloromethane	10.90	129	248125	50.570	ug/l	99
61) 1,2-Dibromoethane	11.01	107	243446	53.404	ug/l	99
64) Tetrachloroethene	10.63	164	282601	50.518	ug/l	95
65) Chlorobenzene	11.43	112	697017	50.814	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	255762	51.947	ug/l	99
67) Ethyl Benzene	11.51	91	1233752	50.918	ug/l	98
68) m/p-Xylenes	11.62	106	908169	98.952	ug/l	95
69) o-Xylene	11.95	106	444881	49.635	ug/l	94
70) Styrene	11.96	104	749365	51.484	ug/l	97
71) Bromoform	12.13	173	151436	44.853	ug/l #	100
73) Isopropylbenzene	12.25	105	1176346	49.304	ug/l	99
74) N-amyl acetate	12.07	43	422707	61.616	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	302681	55.574	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	266620m	56.747	ug/l	
77) Bromobenzene	12.53	156	293318	49.569	ug/l	85
78) n-propylbenzene	12.59	91	1292502	49.958	ug/l	96
79) 2-Chlorotoluene	12.67	91	795180	49.287	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	959428	49.064	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	52072	38.955	ug/l #	72
82) 4-Chlorotoluene	12.77	91	777439	49.713	ug/l	96
83) tert-Butylbenzene	12.99	119	835410	49.080	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	951620	49.596	ug/l	98
85) sec-Butylbenzene	13.17	105	1036941	48.870	ug/l	98
86) p-Isopropyltoluene	13.29	119	923668	48.657	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	483439	49.300	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	476430	49.935	ug/l	98
89) n-Butylbenzene	13.62	91	734271	49.467	ug/l	98
90) Hexachloroethane	13.87	117	143179	48.591	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	483872	50.944	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45384	56.811	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	248778	52.542	ug/l	99
94) Hexachlorobutadiene	15.01	225	137009	51.580	ug/l	99
95) Naphthalene	15.13	128	606039	57.383	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	252088	53.494	ug/l	99

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

