

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054614.D
 Acq On : 23 Mar 2019 19:39
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 10:24:02 AM

Quant Time: Mar 25 04:40:23 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	430248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	728303	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	632287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	281875	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	299725	56.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.02%	
35) Dibromofluoromethane	7.59	113	239863	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
50) Toluene-d8	10.09	98	871572	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.40	95	301263	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	217838	52.963	ug/l	99
3) Chloromethane	2.06	50	299731	53.560	ug/l	98
4) Vinyl Chloride	2.19	62	285233	50.767	ug/l	100
5) Bromomethane	2.57	94	159455	43.890	ug/l	98
6) Chloroethane	2.71	64	157835	46.835	ug/l	100
7) Trichlorofluoromethane	3.02	101	348580	51.087	ug/l	99
8) Diethyl Ether	3.41	74	123627	47.111	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.75	101	180684	45.058	ug/l	94
10) Methyl Iodide	3.95	142	273059	46.291	ug/l #	89
11) Tert butyl alcohol	4.82	59	93497	288.573	ug/l	99
12) 1,1-Dichloroethene	3.73	96	180743	43.554	ug/l #	77
13) Acrolein	3.61	56	32880	73.537	ug/l	98
14) Allyl chloride	4.32	41	432492	55.345	ug/l #	92
15) Acrylonitrile	5.00	53	473351	293.373	ug/l	99
16) Acetone	3.82	43	339579	211.055	ug/l #	83
17) Carbon Disulfide	4.04	76	552005	49.644	ug/l	100
18) Methyl Acetate	4.33	43	222286	61.984	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	676689	55.873	ug/l	94
20) Methylene Chloride	4.55	84	250138	52.740	ug/l #	82
21) trans-1,2-Dichloroethene	5.04	96	230325	54.354	ug/l #	84
22) Diisopropyl ether	5.96	45	912909	59.226	ug/l #	94
23) Vinyl Acetate	5.90	43	3362928	308.910	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	474155	57.131	ug/l	98
25) 2-Butanone	6.85	43	603920	293.012	ug/l	90
26) 2,2-Dichloropropane	6.82	77	295581	49.961	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	269137	53.248	ug/l	87
28) Bromochloromethane	7.19	49	237912	58.238	ug/l #	71
29) Tetrahydrofuran	7.22	42	416871	311.679	ug/l #	83
30) Chloroform	7.37	83	453564	55.999	ug/l	100
31) Cyclohexane	7.65	56	434198	54.776	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	381582	57.105	ug/l	96
36) 1,1-Dichloropropene	7.79	75	339039	49.788	ug/l	96
37) Ethyl Acetate	6.94	43	273895	56.551	ug/l	95
38) Carbon Tetrachloride	7.77	117	329577	49.804	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	358016	45.961	ug/l	89
40) Benzene	8.04	78	1009487	51.841	ug/l	100
41) Methacrylonitrile	7.18	41	145362	49.214	ug/l	90
42) 1,2-Dichloroethane	8.12	62	373017	52.601	ug/l	96
43) Isopropyl Acetate	8.17	43	483238	59.078	ug/l #	92
44) Trichloroethene	8.83	130	261650	48.330	ug/l	95
45) 1,2-Dichloropropane	9.12	63	289241	55.317	ug/l	97
46) Dibromomethane	9.21	93	166394	53.342	ug/l	88
47) Bromodichloromethane	9.40	83	350762	54.181	ug/l	98
48) Methyl methacrylate	9.20	41	245034	55.193	ug/l	88
49) 1,4-Dioxane	9.20	88	51442	1036.466	ug/l #	84
51) 4-Methyl-2-Pentanone	9.99	43	1338234	295.209	ug/l	93
52) Toluene	10.16	92	600682	50.154	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	339408	49.713	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	404538	54.498	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	228065	52.975	ug/l	96
56) Ethyl methacrylate	10.43	69	325140	56.268	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	402042	53.722	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	607236	255.205	ug/l	90
59) 2-Hexanone	10.75	43	844393	285.170	ug/l	91
60) Dibromochloromethane	10.90	129	252439	55.105	ug/l	99
61) 1,2-Dibromoethane	11.01	107	223225	52.448	ug/l	100
64) Tetrachloroethene	10.63	164	234538	44.720	ug/l	96
65) Chlorobenzene	11.43	112	645752	50.214	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	248830	53.908	ug/l	99
67) Ethyl Benzene	11.51	91	1151517	50.691	ug/l	98
68) m/p-Xylenes	11.62	106	846374	98.366	ug/l	96
69) o-Xylene	11.95	106	419899	49.970	ug/l	97
70) Styrene	11.96	104	698873	51.215	ug/l	97
71) Bromoform	12.13	173	156330	49.164	ug/l #	100
73) Isopropylbenzene	12.25	105	1094099	48.168	ug/l	98
74) N-amyl acetate	12.07	43	380733	58.295	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	287167	55.384	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	239774m	53.606	ug/l	
77) Bromobenzene	12.53	156	276632	49.106	ug/l	86
78) n-propylbenzene	12.59	91	1202634	48.828	ug/l	97
79) 2-Chlorotoluene	12.67	91	742380	48.334	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	898142	48.245	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	64396	49.655	ug/l #	83
82) 4-Chlorotoluene	12.77	91	736655	49.480	ug/l	95
83) tert-Butylbenzene	12.99	119	770567	47.553	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	875160	47.911	ug/l	98
85) sec-Butylbenzene	13.17	105	962597	47.653	ug/l	97
86) p-Isopropyltoluene	13.29	119	859649	47.568	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	451582	48.373	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	441084	48.561	ug/l	98
89) n-Butylbenzene	13.61	91	682950	48.329	ug/l	98
90) Hexachloroethane	13.88	117	148404	52.903	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	449893	49.755	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44534	58.557	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	220245	48.861	ug/l	98
94) Hexachlorobutadiene	15.01	225	122222	48.169	ug/l	99
95) Naphthalene	15.13	128	516454	51.366	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	222411	49.576	ug/l	100

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

