

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054636.D
 Acq On : 24 Mar 2019 6:38
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 10:09:18 AM

Quant Time: Mar 25 05:53:34 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	428329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	744469	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	649276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	292751	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	312015	58.56	ug/l	0.00
Spiked Amount			Recovery	=	117.12%	
35) Dibromofluoromethane	7.59	113	244010	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
50) Toluene-d8	10.09	98	897728	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
62) 4-Bromofluorobenzene	12.40	95	314732	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	219899	53.703	ug/l	99
3) Chloromethane	2.06	50	311497	55.912	ug/l	100
4) Vinyl Chloride	2.19	62	282858	50.569	ug/l	100
5) Bromomethane	2.57	94	155547	43.006	ug/l	99
6) Chloroethane	2.71	64	158686	47.299	ug/l	99
7) Trichlorofluoromethane	3.02	101	343463	50.563	ug/l	100
8) Diethyl Ether	3.41	74	124466	47.643	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.75	101	171634	42.993	ug/l	95
10) Methyl Iodide	3.94	142	271309	46.200	ug/l #	90
11) Tert butyl alcohol	4.82	59	105106	325.857	ug/l	99
12) 1,1-Dichloroethene	3.73	96	180030	43.576	ug/l #	72
13) Acrolein	3.60	56	45634	102.519	ug/l	99
14) Allyl chloride	4.31	41	421732	54.209	ug/l #	91
15) Acrylonitrile	5.00	53	511616	318.510	ug/l	99
16) Acetone	3.82	43	368954	230.339	ug/l #	83
17) Carbon Disulfide	4.04	76	510140	46.084	ug/l	99
18) Methyl Acetate	4.33	43	237101	66.411	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	710334	58.914	ug/l	95
20) Methylene Chloride	4.55	84	256727	54.371	ug/l #	80
21) trans-1,2-Dichloroethene	5.03	96	232500	55.113	ug/l #	84
22) Diisopropyl ether	5.96	45	944718	61.564	ug/l #	92
23) Vinyl Acetate	5.90	43	3403627	314.050	ug/l #	92
24) 1,1-Dichloroethane	5.84	63	483896	58.566	ug/l	97
25) 2-Butanone	6.85	43	652427	317.965	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	195287	33.157	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	279775	55.601	ug/l	92
28) Bromochloromethane	7.19	49	245155	60.280	ug/l #	73
29) Tetrahydrofuran	7.22	42	450720	338.496	ug/l #	83
30) Chloroform	7.37	83	465563	57.738	ug/l	100
31) Cyclohexane	7.65	56	438037	55.534	ug/l	85
32) 1,1,1-Trichloroethane	7.57	97	376465	56.592	ug/l	95
36) 1,1-Dichloropropene	7.79	75	353990	50.855	ug/l	94
37) Ethyl Acetate	6.94	43	289934	58.563	ug/l	96
38) Carbon Tetrachloride	7.77	117	320081	47.319	ug/l	99

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39) Methylcyclohexane	9.08	83	355078	44.594	ug/l	90
40) Benzene	8.04	78	1034450	51.970	ug/l	100
41) Methacrylonitrile	7.18	41	167339	55.424	ug/l	89
42) 1,2-Dichloroethane	8.12	62	378200	52.173	ug/l	97
43) Isopropyl Acetate	8.17	43	492799	58.939	ug/l #	94
44) Trichloroethene	8.83	130	269046	48.617	ug/l	92
45) 1,2-Dichloropropane	9.12	63	295301	55.249	ug/l	99
46) Dibromomethane	9.21	93	166638	52.260	ug/l	91
47) Bromodichloromethane	9.40	83	343000	51.832	ug/l	97
48) Methyl methacrylate	9.20	41	258718	57.010	ug/l #	86
49) 1,4-Dioxane	9.20	88	58796	1158.912	ug/l #	85
51) 4-Methyl-2-Pentanone	9.99	43	1427624	308.089	ug/l	93
52) Toluene	10.16	92	618448	50.517	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	311212	44.823	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	382686	50.435	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	235017	53.404	ug/l	96
56) Ethyl methacrylate	10.43	69	335492	56.799	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	416247	54.413	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	609566	250.621	ug/l	89
59) 2-Hexanone	10.75	43	909315	300.427	ug/l	91
60) Dibromochloromethane	10.90	129	237600	50.739	ug/l	96
61) 1,2-Dibromoethane	11.00	107	232612	53.466	ug/l	99
64) Tetrachloroethene	10.63	164	263037	48.842	ug/l	97
65) Chlorobenzene	11.43	112	657403	49.783	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	243345	51.340	ug/l	99
67) Ethyl Benzene	11.51	91	1172531	50.266	ug/l	98
68) m/p-Xylenes	11.62	106	869493	98.408	ug/l	95
69) o-Xylene	11.95	106	430828	49.929	ug/l	97
70) Styrene	11.96	104	724588	51.710	ug/l	97
71) Bromoform	12.13	173	149804	46.027	ug/l #	99
73) Isopropylbenzene	12.25	105	1122379	47.578	ug/l	99
74) N-amyl acetate	12.07	43	421721	62.172	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	298541	55.438	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	266843m	57.441	ug/l	
77) Bromobenzene	12.53	156	289348	49.455	ug/l	85
78) n-propylbenzene	12.59	91	1237336	48.370	ug/l	97
79) 2-Chlorotoluene	12.67	91	768662	48.186	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	930219	48.112	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	51999	39.312	ug/l #	76
82) 4-Chlorotoluene	12.77	91	763006	49.346	ug/l	95
83) tert-Butylbenzene	12.99	119	808761	48.056	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	922022	48.601	ug/l	97
85) sec-Butylbenzene	13.17	105	1004816	47.895	ug/l	97
86) p-Isopropyltoluene	13.29	119	889476	47.390	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	472333	48.716	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	458690	48.623	ug/l	98
89) n-Butylbenzene	13.61	91	707755	48.224	ug/l	98
90) Hexachloroethane	13.87	117	139810	47.988	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	472925	50.359	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45751	57.922	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	241774	51.644	ug/l	99
94) Hexachlorobutadiene	15.01	225	136180	51.866	ug/l	99
95) Naphthalene	15.13	128	592620	56.752	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	249314	53.508	ug/l	99

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

