

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054571.D
 Acq On : 22 Mar 2019 21:45
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 12:53:51 PM

Quant Time: Mar 23 04:17:07 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	440176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	736097	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	645505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	282013	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	310698	56.75	ug/l	0.00
Spiked Amount			Recovery	=	113.50%	
35) Dibromofluoromethane	7.59	113	246402	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
50) Toluene-d8	10.09	98	907848	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
62) 4-Bromofluorobenzene	12.40	95	315860	52.07	ug/l	0.00
Spiked Amount			Recovery	=	104.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	219773	52.228	ug/l	99
3) Chloromethane	2.06	50	305898	53.429	ug/l	98
4) Vinyl Chloride	2.19	62	284608	49.513	ug/l	99
5) Bromomethane	2.57	94	162397	43.691	ug/l	98
6) Chloroethane	2.71	64	156296	45.333	ug/l	98
7) Trichlorofluoromethane	3.02	101	347544	49.786	ug/l	100
8) Diethyl Ether	3.41	74	122632	45.678	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	3.75	101	184000	44.850	ug/l	94
10) Methyl Iodide	3.94	142	273413	45.305	ug/l	92
11) Tert butyl alcohol	4.82	59	100091	301.957	ug/l	99
12) 1,1-Dichloroethene	3.73	96	184407	43.434	ug/l #	75
13) Acrolein	3.61	56	106941	233.783	ug/l	100
14) Allyl chloride	4.32	41	430783	53.883	ug/l #	91
15) Acrylonitrile	5.00	53	498204	301.812	ug/l	100
16) Acetone	3.82	43	363459	220.802	ug/l #	83
17) Carbon Disulfide	4.04	76	528055	46.419	ug/l	99
18) Methyl Acetate	4.33	43	219058	59.706	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	680577	54.927	ug/l	95
20) Methylene Chloride	4.55	84	246738	50.849	ug/l #	82
21) trans-1,2-Dichloroethene	5.03	96	230819	53.242	ug/l #	82
22) Diisopropyl ether	5.96	45	896869	56.873	ug/l #	94
23) Vinyl Acetate	5.90	43	3339207	299.813	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	468007	55.119	ug/l	98
25) 2-Butanone	6.85	43	629106	298.348	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	293321	48.461	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	269539	52.125	ug/l	87
28) Bromochloromethane	7.19	49	236226	56.521	ug/l #	72
29) Tetrahydrofuran	7.22	42	432182	315.838	ug/l #	84
30) Chloroform	7.37	83	453532	54.732	ug/l	100
31) Cyclohexane	7.65	56	430836	53.068	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	372891	54.546	ug/l	95
36) 1,1-Dichloropropene	7.79	75	342081	49.703	ug/l	95
37) Ethyl Acetate	6.94	43	282483	57.707	ug/l #	94
38) Carbon Tetrachloride	7.77	117	325506	48.668	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	367490	46.678	ug/l	90
40) Benzene	8.04	78	1000034	50.812	ug/l	100
41) Methacrylonitrile	7.18	41	158157	52.978	ug/l	89
42) 1,2-Dichloroethane	8.12	62	368886	51.467	ug/l	97
43) Isopropyl Acetate	8.17	43	473064	57.222	ug/l #	94
44) Trichloroethene	8.83	130	264316	48.306	ug/l	92
45) 1,2-Dichloropropane	9.12	63	284515	53.837	ug/l	99
46) Dibromomethane	9.21	93	168290	53.378	ug/l	88
47) Bromodichloromethane	9.40	83	344842	52.703	ug/l	96
48) Methyl methacrylate	9.20	41	249748	55.659	ug/l	87
49) 1,4-Dioxane	9.20	88	55192	1100.248	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	1376213	300.372	ug/l	94
52) Toluene	10.16	92	608491	50.269	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	332769	48.291	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	398222	53.080	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	230541	52.983	ug/l	97
56) Ethyl methacrylate	10.43	69	322726	55.259	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	404441	53.471	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	652612	271.371	ug/l	90
59) 2-Hexanone	10.75	43	877830	293.323	ug/l	91
60) Dibromochloromethane	10.90	129	243957	52.689	ug/l	99
61) 1,2-Dibromoethane	11.01	107	226884	52.743	ug/l	100
64) Tetrachloroethene	10.63	164	252004	47.067	ug/l	96
65) Chlorobenzene	11.43	112	643739	49.033	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	245042	52.000	ug/l	99
67) Ethyl Benzene	11.51	91	1148270	49.513	ug/l	98
68) m/p-Xylenes	11.62	106	863517	98.303	ug/l	96
69) o-Xylene	11.95	106	419760	48.931	ug/l	96
70) Styrene	11.96	104	710630	51.010	ug/l	97
71) Bromoform	12.13	173	152963	47.212	ug/l #	99
73) Isopropylbenzene	12.25	105	1110148	48.851	ug/l	98
74) N-amyl acetate	12.07	43	393716	60.254	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	290681	56.034	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	245802m	54.926	ug/l	
77) Bromobenzene	12.53	156	277931	49.312	ug/l	85
78) n-propylbenzene	12.59	91	1223440	49.648	ug/l	96
79) 2-Chlorotoluene	12.67	91	752656	48.979	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	913378	49.040	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	63298	48.840	ug/l #	81
82) 4-Chlorotoluene	12.77	91	741464	49.778	ug/l	96
83) tert-Butylbenzene	12.99	119	795110	49.044	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	901960	49.354	ug/l	98
85) sec-Butylbenzene	13.17	105	987856	48.879	ug/l	97
86) p-Isopropyltoluene	13.29	119	876810	48.493	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	463655	49.642	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	449194	49.430	ug/l	98
89) n-Butylbenzene	13.61	91	709407	50.177	ug/l	97
90) Hexachloroethane	13.87	117	145765	51.937	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	457604	50.583	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44827	58.913	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	226400	50.202	ug/l	100
94) Hexachlorobutadiene	15.01	225	123642	48.734	ug/l	98
95) Naphthalene	15.13	128	544339	54.113	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	231248	51.520	ug/l	99

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

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