

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032019\
 Data File : VN054503.D
 Acq On : 21 Mar 2019 10:19
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:51:42 PM

Quant Time: Mar 22 07:28:50 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	7.67	168	501525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	860932	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	735907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	325549	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	353062	56.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.20%	
35) Dibromofluoromethane	7.59	113	284482	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
50) Toluene-d8	10.09	98	1037654	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.40	95	349891	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	246442	51.402	ug/l	100
3) Chloromethane	2.06	50	342318	52.477	ug/l	100
4) Vinyl Chloride	2.19	62	345471	52.749	ug/l	100
5) Bromomethane	2.57	94	191287	45.169	ug/l	98
6) Chloroethane	2.71	64	196077	49.914	ug/l	100
7) Trichlorofluoromethane	3.02	101	402383	50.591	ug/l	98
8) Diethyl Ether	3.41	74	155734	50.912	ug/l	74
9) 1,1,2-Trichlorotrifluoroet	3.75	101	215134	46.024	ug/l	94
10) Methyl Iodide	3.94	142	346872	50.447	ug/l	93
11) Tert butyl alcohol	4.82	59	103166	273.162	ug/l	98
12) 1,1-Dichloroethene	3.73	96	232808	48.127	ug/l #	81
13) Acrolein	3.61	56	131834	252.947	ug/l	95
14) Allyl chloride	4.32	41	469243	51.513	ug/l #	91
15) Acrylonitrile	5.00	53	539009	286.589	ug/l	99
16) Acetone	3.82	43	392264	209.151	ug/l #	86
17) Carbon Disulfide	4.04	76	634582	48.960	ug/l	98
18) Methyl Acetate	4.33	43	235850	56.419	ug/l	90
19) Methyl tert-butyl Ether	5.06	73	781321	55.344	ug/l	95
20) Methylene Chloride	4.54	84	288624	52.205	ug/l #	85
21) trans-1,2-Dichloroethene	5.04	96	269267	54.513	ug/l	86
22) Diisopropyl ether	5.96	45	1016131	56.554	ug/l #	94
23) Vinyl Acetate	5.90	43	3689268	290.724	ug/l #	94
24) 1,1-Dichloroethane	5.85	63	529999	54.784	ug/l	99
25) 2-Butanone	6.85	43	665530	277.013	ug/l	91
26) 2,2-Dichloropropane	6.83	77	228474	33.130	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	310382	52.681	ug/l	93
28) Bromochloromethane	7.20	49	268677	56.422	ug/l #	75
29) Tetrahydrofuran	7.22	42	461940	296.290	ug/l #	85
30) Chloroform	7.37	83	513512	54.390	ug/l	97
31) Cyclohexane	7.65	56	492809	53.284	ug/l	89
32) 1,1,1-Trichloroethane	7.57	97	427956	54.943	ug/l	95
36) 1,1-Dichloropropene	7.79	75	386880	48.061	ug/l	96
37) Ethyl Acetate	6.94	43	304244	53.140	ug/l	97
38) Carbon Tetrachloride	7.77	117	376758	48.163	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	418284	45.426	ug/l	90
40) Benzene	8.04	78	1148301	49.885	ug/l	100
41) Methacrylonitrile	7.18	41	172059	49.278	ug/l	91
42) 1,2-Dichloroethane	8.13	62	422062	50.348	ug/l	96
43) Isopropyl Acetate	8.17	43	533508	55.176	ug/l #	94
44) Trichloroethene	8.83	130	308575	48.217	ug/l	94
45) 1,2-Dichloropropane	9.12	63	323712	52.372	ug/l	99
46) Dibromomethane	9.21	93	189525	51.397	ug/l	89
47) Bromodichloromethane	9.40	83	394499	51.550	ug/l	98
48) Methyl methacrylate	9.20	41	275052	52.410	ug/l #	87
49) 1,4-Dioxane	9.20	88	56629	965.205	ug/l #	87
51) 4-Methyl-2-Pentanone	9.99	43	1469581	274.242	ug/l	95
52) Toluene	10.16	92	701832	49.573	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	357929	44.590	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	431854	49.216	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	261346	51.354	ug/l	97
56) Ethyl methacrylate	10.43	69	366622	53.673	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	454132	51.334	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	739670	262.974	ug/l	90
59) 2-Hexanone	10.75	43	915435	261.535	ug/l	93
60) Dibromochloromethane	10.90	129	282366	52.142	ug/l	99
61) 1,2-Dibromoethane	11.01	107	261550	51.985	ug/l	100
64) Tetrachloroethene	10.63	164	300729	49.267	ug/l	96
65) Chlorobenzene	11.43	112	735557	49.144	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	281310	52.363	ug/l	98
67) Ethyl Benzene	11.51	91	1297442	49.073	ug/l	98
68) m/p-Xylenes	11.62	106	969913	96.851	ug/l	97
69) o-Xylene	11.95	106	474981	48.566	ug/l	97
70) Styrene	11.96	104	791261	49.820	ug/l	97
71) Bromoform	12.13	173	174651	47.281	ug/l #	99
73) Isopropylbenzene	12.25	105	1243776	47.412	ug/l	99
74) N-amyl acetate	12.07	43	422356	55.993	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	315182	52.632	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	264345m	51.170	ug/l	
77) Bromobenzene	12.53	156	312241	47.991	ug/l	88
78) n-propylbenzene	12.59	91	1352748	47.554	ug/l	97
79) 2-Chlorotoluene	12.67	91	829864	46.782	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	1027662	47.797	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	60682	41.097	ug/l #	82
82) 4-Chlorotoluene	12.77	91	820637	47.726	ug/l	97
83) tert-Butylbenzene	12.99	119	901177	48.152	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	1009035	47.829	ug/l	98
85) sec-Butylbenzene	13.17	105	1117529	47.901	ug/l	98
86) p-Isopropyltoluene	13.29	119	1001633	47.989	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	511282	47.420	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	495022	47.188	ug/l	98
89) n-Butylbenzene	13.61	91	796153	48.782	ug/l	98
90) Hexachloroethane	13.88	117	170681	52.681	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	507681	48.613	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48862	55.629	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	261596	50.249	ug/l	100
94) Hexachlorobutadiene	15.01	225	153767	52.704	ug/l	99
95) Naphthalene	15.13	128	615251	52.983	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	269498	52.012	ug/l	98

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

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