

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032819\
 Data File : VN054733.D
 Acq On : 28 Mar 2019 10:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/29/2019 9:49:22 AM

Quant Time: Mar 29 05:28:27 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	464043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	727785	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	641282	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	286373	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	283858	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
35) Dibromofluoromethane	7.59	113	229945	49.04	ug/l	0.00
Spiked Amount			Recovery	=	98.08%	
50) Toluene-d8	10.09	98	847790	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
62) 4-Bromofluorobenzene	12.40	95	302484	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	253479	57.140	ug/l	98
3) Chloromethane	2.06	50	337965	55.994	ug/l	99
4) Vinyl Chloride	2.19	62	301761	49.797	ug/l	99
5) Bromomethane	2.57	94	180668	46.107	ug/l	98
6) Chloroethane	2.71	64	162987	44.842	ug/l	99
7) Trichlorofluoromethane	3.02	101	373151	50.705	ug/l	100
8) Diethyl Ether	3.41	74	118429	41.843	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.75	101	199303	46.081	ug/l	93
10) Methyl Iodide	3.94	142	286068	44.964	ug/l #	87
11) Tert butyl alcohol	4.81	59	89334	255.644	ug/l	98
12) 1,1-Dichloroethene	3.73	96	189322	42.298	ug/l #	74
13) Acrolein	3.61	56	114772	237.998	ug/l	97
14) Allyl chloride	4.32	41	469893	55.751	ug/l #	90
15) Acrylonitrile	4.99	53	480479	276.104	ug/l	100
16) Acetone	3.82	43	596690	343.846	ug/l #	82
17) Carbon Disulfide	4.04	76	639514	53.325	ug/l	100
18) Methyl Acetate	4.33	43	209477	54.158	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	669520	51.255	ug/l	94
20) Methylene Chloride	4.54	84	264925	51.789	ug/l #	83
21) trans-1,2-Dichloroethene	5.04	96	252622	55.274	ug/l	85
22) Diisopropyl ether	5.96	45	934952	56.239	ug/l #	92
23) Vinyl Acetate	5.90	43	3412073	290.599	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	497404	55.568	ug/l	98
25) 2-Butanone	6.84	43	745352	335.296	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	367569	57.605	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	285961	52.456	ug/l	86
28) Bromochloromethane	7.19	49	224000	50.839	ug/l #	72
29) Tetrahydrofuran	7.22	42	400057	277.324	ug/l #	83
30) Chloroform	7.37	83	476933	54.596	ug/l	100
31) Cyclohexane	7.65	56	493174	57.787	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	399447	55.425	ug/l	95
36) 1,1-Dichloropropene	7.79	75	377560	55.484	ug/l	96
37) Ethyl Acetate	6.94	43	273564	56.523	ug/l #	94
38) Carbon Tetrachloride	7.77	117	348420	52.689	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	433738	55.722	ug/l	90
40) Benzene	8.04	78	1072649	55.124	ug/l	99
41) Methacrylonitrile	7.18	41	167228	56.657	ug/l #	84
42) 1,2-Dichloroethane	8.13	62	381280	53.804	ug/l	96
43) Isopropyl Acetate	8.17	43	461376	56.446	ug/l #	94
44) Trichloroethene	8.83	130	280870	51.917	ug/l	90
45) 1,2-Dichloropropane	9.12	63	303975	58.176	ug/l	100
46) Dibromomethane	9.21	93	168815	54.157	ug/l	90
47) Bromodichloromethane	9.40	83	369949	57.186	ug/l	98
48) Methyl methacrylate	9.20	41	229686	51.773	ug/l	89
49) 1,4-Dioxane	9.20	88	49153	991.052	ug/l #	84
51) 4-Methyl-2-Pentanone	9.99	43	1310574	289.313	ug/l	92
52) Toluene	10.16	92	654801	54.712	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	358910	52.477	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	438029	59.052	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	234256	54.452	ug/l	97
56) Ethyl methacrylate	10.43	69	319872	55.396	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	409689	54.783	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	592988	249.394	ug/l #	89
59) 2-Hexanone	10.75	43	957517	323.604	ug/l	90
60) Dibromochloromethane	10.90	129	257699	56.293	ug/l	100
61) 1,2-Dibromoethane	11.00	107	228668	53.765	ug/l	100
64) Tetrachloroethene	10.63	164	268141	50.410	ug/l	95
65) Chlorobenzene	11.43	112	687366	52.700	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	261239	55.802	ug/l	99
67) Ethyl Benzene	11.51	91	1255362	54.487	ug/l	97
68) m/p-Xylenes	11.62	106	926543	106.173	ug/l	94
69) o-Xylene	11.95	106	448029	52.570	ug/l	96
70) Styrene	11.96	104	754616	54.524	ug/l	97
71) Bromoform	12.13	173	158960	49.284	ug/l #	100
73) Isopropylbenzene	12.25	105	1195035	51.786	ug/l	98
74) N-amyl acetate	12.07	43	389013	58.628	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	285235	54.147	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	257341m	56.629	ug/l	
77) Bromobenzene	12.53	156	290798	50.810	ug/l	84
78) n-propylbenzene	12.59	91	1364510	54.530	ug/l	96
79) 2-Chlorotoluene	12.67	91	811028	51.974	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	979165	51.772	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	68816	52.065	ug/l #	84
82) 4-Chlorotoluene	12.77	91	813011	53.751	ug/l	96
83) tert-Butylbenzene	12.99	119	825924	50.169	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	968591	52.193	ug/l	98
85) sec-Butylbenzene	13.17	105	1085318	52.884	ug/l	97
86) p-Isopropyltoluene	13.29	119	973596	53.027	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	501728	52.900	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	490680	53.173	ug/l	98
89) n-Butylbenzene	13.61	91	839201	58.454	ug/l	98
90) Hexachloroethane	13.87	117	164097	57.578	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	478628	52.101	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41062	53.144	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	257375	56.201	ug/l	98
94) Hexachlorobutadiene	15.01	225	159472	62.604	ug/l	98
95) Naphthalene	15.13	128	550651	53.907	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	247296	54.257	ug/l	100

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

