

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072219\
 Data File : VN056851.D
 Acq On : 22 Jul 2019 12:21
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 3:01:07 PM

Quant Time: Jul 23 01:23:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 01:05:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	357817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	542659	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	460809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	155420	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	18861	4.80	ug/l	0.00
Spiked Amount			Recovery	=	9.60%	
35) Dibromofluoromethane	7.59	113	16935	5.00	ug/l	0.00
Spiked Amount			Recovery	=	10.00%	
50) Toluene-d8	10.09	98	62736	4.80	ug/l	0.00
Spiked Amount			Recovery	=	9.60%	
62) 4-Bromofluorobenzene	12.40	95	17690	4.03	ug/l	0.00
Spiked Amount			Recovery	=	8.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	15403	4.278	ug/l	97
3) Chloromethane	2.06	50	21564	4.594	ug/l	100
4) Vinyl Chloride	2.19	62	20079	4.474	ug/l	100
5) Bromomethane	2.55	94	14668	5.572	ug/l	96
6) Chloroethane	2.70	64	11430	4.439	ug/l	94
7) Trichlorofluoromethane	3.01	101	26782	4.725	ug/l	98
8) Diethyl Ether	3.40	74	10537	4.851	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	16479	4.827	ug/l	98
10) Methyl Iodide	3.94	142	16753	3.643	ug/l	98
11) Tert butyl alcohol	4.81	59	11498	17.848	ug/l #	89
12) 1,1-Dichloroethene	3.73	96	16191	4.730	ug/l	96
13) Acrolein	3.60	56	11807	39.983	ug/l	97
14) Allyl chloride	4.31	41	26239	4.484	ug/l	97
15) Acrylonitrile	4.99	53	35871	19.080	ug/l	99
16) Acetone	3.82	43	33898	19.351	ug/l	94
17) Carbon Disulfide	4.04	76	41081	4.509	ug/l	99
18) Methyl Acetate	4.33	43	23445	4.680	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	46343	4.301	ug/l	100
20) Methylene Chloride	4.55	84	20075	4.960	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	16796	4.659	ug/l	97
22) Diisopropyl ether	5.96	45	53955	4.648	ug/l	95
23) Vinyl Acetate	5.90	43	190103	20.658	ug/l	99
24) 1,1-Dichloroethane	5.84	63	31151	4.624	ug/l	95
25) 2-Butanone	6.84	43	45929	17.775	ug/l	99
26) 2,2-Dichloropropane	6.82	77	21954	4.567	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	19794	4.785	ug/l	99
28) Bromochloromethane	7.19	49	15341	4.880	ug/l #	99
29) Tetrahydrofuran	7.22	42	31039	18.284	ug/l	96
30) Chloroform	7.37	83	31560	4.678	ug/l	94
31) Cyclohexane	7.65	56	33971	5.292	ug/l #	73
32) 1,1,1-Trichloroethane	7.56	97	25567	4.787	ug/l	99
36) 1,1-Dichloropropene	7.79	75	23309	4.578	ug/l	97
37) Ethyl Acetate	6.94	43	17198	3.546	ug/l #	95
38) Carbon Tetrachloride	7.77	117	22184	4.648	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	28688	4.566	ug/l	92
40) Benzene	8.04	78	74104	4.752	ug/l	97
41) Methacrylonitrile	7.18	41	8806	4.080	ug/l	98
42) 1,2-Dichloroethane	8.12	62	23203	4.723	ug/l	100
43) Isopropyl Acetate	8.16	43	30771	4.007	ug/l	98
44) Trichloroethene	8.83	130	19461	4.590	ug/l	92
45) 1,2-Dichloropropane	9.12	63	19557	4.730	ug/l	98
46) Dibromomethane	9.21	93	12219	4.784	ug/l	99
47) Bromodichloromethane	9.40	83	21874	4.496	ug/l	93
48) Methyl methacrylate	9.20	41	15247	4.083	ug/l	97
49) 1,4-Dioxane	9.20	88	6027	78.103	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	91629	18.571	ug/l	99
52) Toluene	10.15	92	43278	4.666	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	20641	4.080	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	26022	4.420	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	17891	4.641	ug/l	96
56) Ethyl methacrylate	10.43	69	21515	3.923	ug/l	93
57) 1,3-Dichloropropane	10.71	76	28090	4.456	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	47777	18.501	ug/l	97
59) 2-Hexanone	10.75	43	58690	16.740	ug/l	99
60) Dibromochloromethane	10.90	129	15707	4.137	ug/l	99
61) 1,2-Dibromoethane	11.00	107	16929	4.414	ug/l	97
64) Tetrachloroethene	10.63	164	20201	5.008	ug/l	97
65) Chlorobenzene	11.43	112	45372	4.753	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	17052	4.855	ug/l	98
67) Ethyl Benzene	11.51	91	75738	4.521	ug/l	96
68) m/p-Xylenes	11.62	106	55814	8.919	ug/l	99
69) o-Xylene	11.95	106	26919	4.374	ug/l	95
70) Styrene	11.96	104	41318	4.158	ug/l	97
71) Bromoform	12.13	173	10375	3.943	ug/l #	99
73) Isopropylbenzene	12.25	105	72725	5.703	ug/l	99
74) N-amyl acetate	12.07	43	21332	4.593	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	21317	5.067	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	18354m	5.433	ug/l	
77) Bromobenzene	12.52	156	17999	5.400	ug/l	97
78) n-propylbenzene	12.59	91	72276	5.131	ug/l	98
79) 2-Chlorotoluene	12.67	91	46233	5.304	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	59542	5.524	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	4589	4.216	ug/l #	86
82) 4-Chlorotoluene	12.77	91	42291	5.113	ug/l	100
83) tert-Butylbenzene	12.99	119	52604	5.593	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	54453	5.181	ug/l	99
85) sec-Butylbenzene	13.17	105	66097	5.509	ug/l	99
86) p-Isopropyltoluene	13.29	119	58475	5.391	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	26206	4.835	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	25455	4.830	ug/l	95
89) n-Butylbenzene	13.61	91	40892	4.708	ug/l	97
90) Hexachloroethane	13.87	117	10121	5.724	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	26404	4.771	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	2741	4.162	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	7593	3.046	ug/l	98
94) Hexachlorobutadiene	15.00	225	11459	5.746	ug/l	99
95) Naphthalene	15.13	128	18738	2.813	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	9732	3.735	ug/l	92

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

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