

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022519\
 Data File : VN053929.D
 Acq On : 25 Feb 2019 14:50
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 2/28/2019 10:48:23 AM

Quant Time: Feb 28 04:23:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 02:58:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	625419	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1049862	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	888193	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	351591	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	40787	5.56	ug/l	0.00
Spiked Amount			Recovery	=	11.12%	
35) Dibromofluoromethane	7.59	113	34703	5.11	ug/l	0.00
Spiked Amount			Recovery	=	10.22%	
50) Toluene-d8	10.09	98	124854	4.94	ug/l	0.00
Spiked Amount			Recovery	=	9.88%	
62) 4-Bromofluorobenzene	12.40	95	40665	4.83	ug/l	0.00
Spiked Amount			Recovery	=	9.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	30529	5.304	ug/l	98
3) Chloromethane	2.06	50	42476	5.320	ug/l	96
4) Vinyl Chloride	2.19	62	43526	5.441	ug/l	97
5) Bromomethane	2.57	94	33291	6.284	ug/l	93
6) Chloroethane	2.71	64	25730	5.172	ug/l	96
7) Trichlorofluoromethane	3.02	101	55319	5.413	ug/l	97
8) Diethyl Ether	3.41	74	19956	5.212	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.76	101	35005	5.423	ug/l	97
10) Methyl Iodide	3.95	142	34950	4.121	ug/l	98
11) Tert butyl alcohol	4.78	59	11959	25.732	ug/l #	90
12) 1,1-Dichloroethene	3.74	96	33103	5.362	ug/l	93
13) Acrolein	3.61	56	16856	35.030	ug/l	99
14) Allyl chloride	4.33	41	52733	4.870	ug/l	91
15) Acrylonitrile	4.99	53	63759	26.029	ug/l	98
16) Acetone	3.82	43	54624	25.408	ug/l	98
17) Carbon Disulfide	4.06	76	108338	5.439	ug/l	100
18) Methyl Acetate	4.33	43	25813	5.035	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	85658	5.172	ug/l	98
20) Methylene Chloride	4.55	84	39477	5.441	ug/l	94
21) trans-1,2-Dichloroethene	5.05	96	36687	5.490	ug/l	98
22) Diisopropyl ether	5.95	45	106221	5.085	ug/l #	86
23) Vinyl Acetate	5.90	43	376909	25.080	ug/l	96
24) 1,1-Dichloroethane	5.85	63	67931	5.303	ug/l	98
25) 2-Butanone	6.84	43	74058	25.727	ug/l	96
26) 2,2-Dichloropropane	6.82	77	48010	5.275	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	40200	5.409	ug/l	93
28) Bromochloromethane	7.19	49	30981	5.283	ug/l	86
29) Tetrahydrofuran	7.22	42	49557	25.852	ug/l	92
30) Chloroform	7.37	83	64995	5.232	ug/l	99
31) Cyclohexane	7.65	56	69112	5.066	ug/l #	90
32) 1,1,1-Trichloroethane	7.57	97	53097	5.184	ug/l	96
36) 1,1-Dichloropropene	7.79	75	49374	5.057	ug/l	97
37) Ethyl Acetate	6.93	43	33520	4.808	ug/l	97
38) Carbon Tetrachloride	7.77	117	50243	4.948	ug/l	95

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Quant Time: Feb 28 04:23:45 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	57115	4.854	ug/l	95
40) Benzene	8.04	78	147947	4.933	ug/l	98
41) Methacrylonitrile	7.19	41	21474m	4.784	ug/l	
42) 1,2-Dichloroethane	8.12	62	47693	5.136	ug/l	100
43) Isopropyl Acetate	8.17	43	60934	5.177	ug/l #	89
44) Trichloroethene	8.83	130	39065	4.913	ug/l	93
45) 1,2-Dichloropropane	9.12	63	40471	5.001	ug/l	98
46) Dibromomethane	9.21	93	23960	5.100	ug/l	91
47) Bromodichloromethane	9.40	83	48488	4.898	ug/l	96
48) Methyl methacrylate	9.20	41	25002	4.618	ug/l	93
49) 1,4-Dioxane	9.20	88	7127	97.190	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	146095	24.154	ug/l	96
52) Toluene	10.16	92	86999	4.926	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	44914	4.662	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	53258	4.690	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	33230	5.038	ug/l	98
56) Ethyl methacrylate	10.43	69	34211	4.433	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	55471	4.978	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	71470	20.974	ug/l	96
59) 2-Hexanone	10.75	43	90669	23.048	ug/l	92
60) Dibromochloromethane	10.90	129	34015	4.640	ug/l	99
61) 1,2-Dibromoethane	11.01	107	31222	4.907	ug/l	98
64) Tetrachloroethene	10.63	164	39229	5.216	ug/l	98
65) Chlorobenzene	11.43	112	95375	5.088	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	32648	4.833	ug/l	96
67) Ethyl Benzene	11.51	91	156683	4.986	ug/l	99
68) m/p-Xylenes	11.62	106	115070	9.702	ug/l	95
69) o-Xylene	11.95	106	57712	4.952	ug/l	97
70) Styrene	11.96	104	84983	4.741	ug/l	98
71) Bromoform	12.13	173	22048	4.691	ug/l #	97
73) Isopropylbenzene	12.25	105	152128	5.558	ug/l	99
74) N-amyl acetate	12.07	43	36442	5.080	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	38540	5.631	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	30342m	5.380	ug/l	
77) Bromobenzene	12.53	156	37403	5.383	ug/l	91
78) n-propylbenzene	12.59	91	165148	5.306	ug/l	97
79) 2-Chlorotoluene	12.67	91	101702	5.439	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	120922	5.397	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	8719	4.886	ug/l	87
82) 4-Chlorotoluene	12.77	91	101081	5.470	ug/l	96
83) tert-Butylbenzene	12.99	119	109524	5.527	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	117695	5.262	ug/l	99
85) sec-Butylbenzene	13.17	105	150939	5.577	ug/l	99
86) p-Isopropyltoluene	13.29	119	122132	5.338	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	64374	5.355	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	61457	5.270	ug/l	91
89) n-Butylbenzene	13.62	91	96053	4.981	ug/l	97
90) Hexachloroethane	13.87	117	23956	5.403	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	62444	5.366	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	5122	5.296	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	23465	4.248	ug/l	98
94) Hexachlorobutadiene	15.01	225	23334	5.551	ug/l	95
95) Naphthalene	15.13	128	46922	4.102	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	26044	4.696	ug/l	100

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

