

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102318\
 Data File : VN051965.D
 Acq On : 23 Oct 2018 15:33
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102318

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 10:09:36 AM

Quant Time: Oct 24 07:25:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 06:55:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1261556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1800071	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1692685	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	963859	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	506324	45.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.12%	
35) Dibromofluoromethane	7.59	113	551810	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
50) Toluene-d8	10.09	98	2012627	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
62) 4-Bromofluorobenzene	12.40	95	716695	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	397380	49.637	ug/l	99
3) Chloromethane	2.06	50	350756	48.660	ug/l	99
4) Vinyl Chloride	2.19	62	438776	45.412	ug/l	99
5) Bromomethane	2.57	94	438499	47.400	ug/l	97
6) Chloroethane	2.71	64	313327	43.680	ug/l	100
7) Trichlorofluoromethane	3.02	101	809522	47.021	ug/l	100
8) Diethyl Ether	3.41	74	237919	46.482	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	507138	49.174	ug/l	99
10) Methyl Iodide	3.96	142	788544	54.161	ug/l	98
11) Tert butyl alcohol	4.78	59	123457	212.317	ug/l	100
12) 1,1-Dichloroethene	3.74	96	450127	48.736	ug/l	97
13) Acrolein	3.61	56	68152	210.538	ug/l	100
14) Allyl chloride	4.33	41	429422	43.939	ug/l	94
15) Acrylonitrile	4.99	53	556340	226.649	ug/l	98
16) Acetone	3.82	43	384842	207.893	ug/l	98
17) Carbon Disulfide	4.06	76	1110041	50.561	ug/l	99
18) Methyl Acetate	4.32	43	245764	43.408	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	1143164	46.101	ug/l	98
20) Methylene Chloride	4.55	84	491885	45.296	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	507713	48.539	ug/l	96
22) Diisopropyl ether	5.95	45	1047583	46.851	ug/l	98
23) Vinyl Acetate	5.90	43	3550278	233.407	ug/l	99
24) 1,1-Dichloroethane	5.85	63	754712	46.232	ug/l	98
25) 2-Butanone	6.83	43	572641	216.991	ug/l	98
26) 2,2-Dichloropropane	6.83	77	735072	49.216	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	593204	48.547	ug/l	97
28) Bromochloromethane	7.19	49	298961	45.439	ug/l	91
29) Tetrahydrofuran	7.21	42	367789	205.698	ug/l	98
30) Chloroform	7.37	83	937452	47.030	ug/l	98
31) Cyclohexane	7.66	56	643057	48.986	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	881888	48.382	ug/l	99
36) 1,1-Dichloropropene	7.79	75	670462	48.556	ug/l	99
37) Ethyl Acetate	6.93	43	279528	45.121	ug/l	99
38) Carbon Tetrachloride	7.78	117	796918	50.272	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	876397	51.965	ug/l	98
40) Benzene	8.04	78	1967912	48.000	ug/l	99
41) Methacrylonitrile	7.18	41	146105m	47.087	ug/l	
42) 1,2-Dichloroethane	8.12	62	610443	46.439	ug/l	100
43) Isopropyl Acetate	8.16	43	528574	45.709	ug/l	99
44) Trichloroethene	8.84	130	662505	50.344	ug/l	96
45) 1,2-Dichloropropane	9.12	63	448129	48.319	ug/l	99
46) Dibromomethane	9.21	93	352591	47.162	ug/l	97
47) Bromodichloromethane	9.40	83	698777	49.491	ug/l	100
48) Methyl methacrylate	9.20	41	256895	45.961	ug/l	98
49) 1,4-Dioxane	9.20	88	94165	918.767	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1409499	221.588	ug/l	100
52) Toluene	10.16	92	1383436	49.762	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	679109	47.169	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	761936	51.630	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	492178	47.915	ug/l	98
56) Ethyl methacrylate	10.43	69	529201	47.928	ug/l	99
57) 1,3-Dichloropropane	10.71	76	738064	47.330	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1371513	237.391	ug/l	100
59) 2-Hexanone	10.75	43	968591	226.631	ug/l	99
60) Dibromochloromethane	10.90	129	600663	46.004	ug/l	99
61) 1,2-Dibromoethane	11.00	107	523832	48.366	ug/l	99
64) Tetrachloroethene	10.63	164	651009	50.109	ug/l	96
65) Chlorobenzene	11.43	112	1692582	49.526	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	621732	50.613	ug/l	99
67) Ethyl Benzene	11.51	91	2701039	49.168	ug/l	98
68) m/p-Xylenes	11.62	106	2254180	102.701	ug/l	99
69) o-Xylene	11.95	106	1076721	50.441	ug/l	100
70) Styrene	11.96	104	1756225	51.475	ug/l	99
71) Bromoform	12.13	173	396823	44.044	ug/l #	100
73) Isopropylbenzene	12.25	105	2967259	48.542	ug/l	100
74) N-amyl acetate	12.07	43	525359	43.664	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	554973	43.938	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	413338m	41.516	ug/l	
77) Bromobenzene	12.53	156	823786	48.831	ug/l	96
78) n-propylbenzene	12.59	91	3246459	49.233	ug/l	100
79) 2-Chlorotoluene	12.67	91	1844655	48.037	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2472704	50.419	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	136938	44.541	ug/l	96
82) 4-Chlorotoluene	12.77	91	1947518	48.984	ug/l	98
83) tert-Butylbenzene	12.99	119	2287006	49.305	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2520690	49.828	ug/l	99
85) sec-Butylbenzene	13.17	105	3079638	50.834	ug/l	99
86) p-Isopropyltoluene	13.29	119	2839938	52.068	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1564498	50.282	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1574545	51.329	ug/l	99
89) n-Butylbenzene	13.61	91	2259772	52.032	ug/l	99
90) Hexachloroethane	13.87	117	427601	52.624	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1506915	50.063	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	85295	43.982	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	928866	52.241	ug/l	100
94) Hexachlorobutadiene	15.01	225	473847	51.865	ug/l	99
95) Naphthalene	15.13	128	1919865	49.719	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	863292	50.796	ug/l	99

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

