

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110918\
 Data File : VN052225.D
 Acq On : 9 Nov 2018 14:06
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 9:18:33 AM

Quant Time: Nov 12 00:00:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Sun Nov 11 23:43:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	255365	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	447843	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	395302	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	159044	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	17718	5.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.14%	
35) Dibromofluoromethane	7.59	113	14276	4.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.84%	
50) Toluene-d8	10.09	98	54461	4.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.60%	
62) 4-Bromofluorobenzene	12.40	95	16904	4.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	12713	4.579	ug/l	94
3) Chloromethane	2.06	50	18660	4.814	ug/l	99
4) Vinyl Chloride	2.19	62	15937	4.935	ug/l	95
5) Bromomethane	2.57	94	10323	5.038	ug/l	95
6) Chloroethane	2.71	64	9270	4.834	ug/l #	86
7) Trichlorofluoromethane	3.02	101	22715	5.053	ug/l	91
8) Diethyl Ether	3.41	74	8664	4.899	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	14939	5.160	ug/l #	86
10) Methyl Iodide	3.95	142	16757	4.478	ug/l	98
11) Tert butyl alcohol	4.78	59	4272m	24.494	ug/l	
12) 1,1-Dichloroethene	3.74	96	14062	5.267	ug/l	89
13) Acrolein	3.61	56	4236	17.564	ug/l	98
14) Allyl chloride	4.33	41	27503	4.921	ug/l	99
15) Acrylonitrile	5.00	53	26915	24.462	ug/l	96
16) Acetone	3.82	43	29138	27.196	ug/l	98
17) Carbon Disulfide	4.05	76	35127	4.536	ug/l	96
18) Methyl Acetate	4.33	43	13689	4.972	ug/l	94
19) Methyl tert-butyl Ether	5.04	73	38437	5.039	ug/l	98
20) Methylene Chloride	4.55	84	16071	5.434	ug/l #	92
21) trans-1,2-Dichloroethene	5.05	96	15263	5.260	ug/l	88
22) Diisopropyl ether	5.95	45	55103	4.894	ug/l	95
23) Vinyl Acetate	5.90	43	183298	23.841	ug/l	99
24) 1,1-Dichloroethane	5.85	63	30345	5.128	ug/l	98
25) 2-Butanone	6.84	43	39552	26.548	ug/l	95
26) 2,2-Dichloropropane	6.82	77	20333	4.704	ug/l	84
27) cis-1,2-Dichloroethene	6.83	96	16705	5.143	ug/l	98
28) Bromochloromethane	7.20	49	15373	5.257	ug/l	93
29) Tetrahydrofuran	7.22	42	20395	21.299	ug/l #	89
30) Chloroform	7.37	83	28440	5.078	ug/l	96
31) Cyclohexane	7.66	56	32940	4.795	ug/l #	83
32) 1,1,1-Trichloroethane	7.57	97	22368	4.900	ug/l	95
36) 1,1-Dichloropropene	7.79	75	22049	4.878	ug/l	96
37) Ethyl Acetate	6.94	43	14787	4.434	ug/l #	77
38) Carbon Tetrachloride	7.78	117	20210	4.934	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	24905	4.830	ug/l	96
40) Benzene	8.04	78	64222	4.962	ug/l	100
41) Methacrylonitrile	7.18	41	8978	5.103	ug/l #	68
42) 1,2-Dichloroethane	8.13	62	22864	5.035	ug/l	97
43) Isopropyl Acetate	8.17	43	28468	4.804	ug/l #	87
44) Trichloroethene	8.84	130	15600	4.810	ug/l	93
45) 1,2-Dichloropropane	9.12	63	17135	4.739	ug/l	99
46) Dibromomethane	9.21	93	10544	5.077	ug/l	95
47) Bromodichloromethane	9.40	83	19878	4.620	ug/l #	98
48) Methyl methacrylate	9.20	41	15307	4.902	ug/l	97
49) 1,4-Dioxane	9.20	88	2315	92.228	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	78974	24.131	ug/l	97
52) Toluene	10.16	92	38588	4.943	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	18728	4.411	ug/l	95
54) cis-1,3-Dichloropropene	9.84	75	23195	4.627	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	14077	4.989	ug/l	93
56) Ethyl methacrylate	10.43	69	16341	4.285	ug/l	96
57) 1,3-Dichloropropane	10.71	76	24112	4.773	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	52111	24.677	ug/l	100
59) 2-Hexanone	10.75	43	58922	25.647	ug/l	100
60) Dibromochloromethane	10.90	129	12862	4.494	ug/l	95
61) 1,2-Dibromoethane	11.01	107	13211	4.764	ug/l	93
64) Tetrachloroethene	10.63	164	13365	4.829	ug/l	96
65) Chlorobenzene	11.43	112	41168	4.915	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	13433	4.734	ug/l	98
67) Ethyl Benzene	11.51	91	70119	4.759	ug/l	98
68) m/p-Xylenes	11.62	106	52452	9.560	ug/l	96
69) o-Xylene	11.95	106	26300	5.017	ug/l	95
70) Styrene	11.96	104	39634	4.680	ug/l	99
71) Bromoform	12.12	173	7076	4.180	ug/l #	95
73) Isopropylbenzene	12.25	105	66936	5.148	ug/l	99
74) N-amyl acetate	12.07	43	22083	4.679	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	16871	5.293	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	14338m	5.619	ug/l	
77) Bromobenzene	12.53	156	15463	5.081	ug/l	99
78) n-propylbenzene	12.59	91	74195	4.873	ug/l	100
79) 2-Chlorotoluene	12.67	91	44521	5.047	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	51480	4.979	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	3375	4.094	ug/l #	80
82) 4-Chlorotoluene	12.77	91	44880	5.070	ug/l	99
83) tert-Butylbenzene	12.99	119	46002	5.096	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	52191	5.006	ug/l	99
85) sec-Butylbenzene	13.17	105	60901	4.920	ug/l	96
86) p-Isopropyltoluene	13.29	119	50777	4.903	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	25701	4.851	ug/l	94
88) 1,4-Dichlorobenzene	13.36	146	26287	4.956	ug/l	94
89) n-Butylbenzene	13.61	91	43853	4.755	ug/l	99
90) Hexachloroethane	13.88	117	8480	4.665	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	25548	4.941	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	2347	5.180	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	8238	4.029	ug/l	98
94) Hexachlorobutadiene	15.00	225	5613	5.052	ug/l	96
95) Naphthalene	15.13	128	19685	3.907	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	8150	4.216	ug/l	97

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

