

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051585.D
 Acq On : 27 Sep 2018 16:26
 Operator : MD\SY
 Sample : VN0927WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS03

Manual Integrations
 APPROVED

MMDadoda
 9/28/2018 5:08:28 PM

Quant Time: Sep 27 17:48:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	519416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	744083	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	659366	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	331514	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	320061	49.19	ug/l	0.00
Spiked Amount						
			Recovery	=	98.38%	
35) Dibromofluoromethane	7.59	113	288161	48.43	ug/l	0.00
Spiked Amount						
			Recovery	=	96.86%	
50) Toluene-d8	10.09	98	1020896	45.56	ug/l	0.00
Spiked Amount						
			Recovery	=	91.12%	
62) 4-Bromofluorobenzene	12.40	95	333576	46.02	ug/l	0.00
Spiked Amount						
			Recovery	=	92.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	114524	23.633	ug/l	97
3) Chloromethane	2.06	50	167145	21.667	ug/l	99
4) Vinyl Chloride	2.18	62	181447	21.311	ug/l	100
5) Bromomethane	2.56	94	87852	17.257	ug/l	99
6) Chloroethane	2.70	64	91631	17.272	ug/l	96
7) Trichlorofluoromethane	3.01	101	220982	19.815	ug/l	99
8) Diethyl Ether	3.41	74	71863	18.826	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	132345	21.027	ug/l	99
10) Methyl Iodide	3.95	142	150130	18.133	ug/l	98
11) Tert butyl alcohol	4.79	59	41822	113.889	ug/l #	93
12) 1,1-Dichloroethene	3.74	96	112927	19.541	ug/l	92
13) Acrolein	3.61	56	24151	66.231	ug/l	96
14) Allyl chloride	4.33	41	205017	21.144	ug/l	98
15) Acrylonitrile	4.99	53	218414	109.338	ug/l	99
16) Acetone	3.82	43	168518	102.335	ug/l	98
17) Carbon Disulfide	4.05	76	356798	21.015	ug/l	99
18) Methyl Acetate	4.33	43	127775	25.785	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	314049	21.074	ug/l	100
20) Methylene Chloride	4.55	84	136656	21.224	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	124014	20.977	ug/l	99
22) Diisopropyl ether	5.95	45	430071	22.947	ug/l	96
23) Vinyl Acetate	5.90	43	1362865	110.760	ug/l	99
24) 1,1-Dichloroethane	5.85	63	249053	22.271	ug/l	100
25) 2-Butanone	6.84	43	258704	116.164	ug/l	93
26) 2,2-Dichloropropane	6.83	77	199928	22.903	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	139723	21.539	ug/l	97
28) Bromochloromethane	7.20	49	91920	17.800	ug/l	96
29) Tetrahydrofuran	7.21	42	169990	120.448	ug/l	96
30) Chloroform	7.37	83	245356	22.143	ug/l	99
31) Cyclohexane	7.66	56	224467	21.909	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	209630	22.130	ug/l	100
36) 1,1-Dichloropropene	7.79	75	182396	21.168	ug/l	99
37) Ethyl Acetate	6.93	43	117834	23.784	ug/l	98
38) Carbon Tetrachloride	7.77	117	184872	20.513	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	208788	20.728	ug/l	96
40) Benzene	8.04	78	558601	22.079	ug/l	99
41) Methacrylonitrile	7.18	41	55955m	20.415	ug/l	
42) 1,2-Dichloroethane	8.13	62	176843	21.829	ug/l	100
43) Isopropyl Acetate	8.17	43	217778	24.309	ug/l	94
44) Trichloroethene	8.84	130	139678	20.785	ug/l	94
45) 1,2-Dichloropropane	9.12	63	152348	22.152	ug/l	98
46) Dibromomethane	9.21	93	84431	21.728	ug/l	98
47) Bromodichloromethane	9.40	83	184447	21.449	ug/l	99
48) Methyl methacrylate	9.20	41	99983	22.385	ug/l	99
49) 1,4-Dioxane	9.20	88	24114	440.528	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	559997	113.661	ug/l	99
52) Toluene	10.16	92	331769	21.101	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	181058	20.855	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	209354	20.794	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	121195	21.810	ug/l	98
56) Ethyl methacrylate	10.43	69	140382	20.663	ug/l	96
57) 1,3-Dichloropropane	10.71	76	204330	21.453	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	312247	98.375	ug/l	98
59) 2-Hexanone	10.75	43	361932	113.319	ug/l	96
60) Dibromochloromethane	10.90	129	133353	20.340	ug/l	99
61) 1,2-Dibromoethane	11.01	107	115112	21.339	ug/l	99
64) Tetrachloroethene	10.63	164	134376	22.456	ug/l	97
65) Chlorobenzene	11.43	112	356898	21.097	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	134096	20.805	ug/l	99
67) Ethyl Benzene	11.51	91	587057	20.591	ug/l	100
68) m/p-Xylenes	11.62	106	461475	41.846	ug/l	99
69) o-Xylene	11.95	106	217320	20.499	ug/l	97
70) Styrene	11.96	104	344638	20.515	ug/l	100
71) Bromoform	12.13	173	89157	20.386	ug/l #	97
73) Isopropylbenzene	12.25	105	577362	20.641	ug/l	98
74) N-amyl acetate	12.07	43	153688	21.899	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	149574	22.932	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	132708m	24.114	ug/l	
77) Bromobenzene	12.53	156	147756	20.867	ug/l	96
78) n-propylbenzene	12.59	91	676041	21.445	ug/l	99
79) 2-Chlorotoluene	12.67	91	412838	21.878	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	490282	21.496	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	38472	21.496	ug/l	99
82) 4-Chlorotoluene	12.77	91	407346	21.628	ug/l	98
83) tert-Butylbenzene	12.99	119	420042	20.691	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	493894	21.490	ug/l	99
85) sec-Butylbenzene	13.17	105	586186	21.344	ug/l	99
86) p-Isopropyltoluene	13.29	119	503372	21.182	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	256001	20.892	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	243449	20.648	ug/l	99
89) n-Butylbenzene	13.62	91	397311	20.332	ug/l	98
90) Hexachloroethane	13.87	117	100215	21.165	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	251061	21.117	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21391	22.980	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	104258	20.301	ug/l	98
94) Hexachlorobutadiene	15.01	225	95467	21.223	ug/l	97
95) Naphthalene	15.13	128	180341	20.321	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	108756	19.061	ug/l	99

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

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