

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
 Data File : VN049984.D
 Acq On : 21 Jul 2018 2:39
 Operator : MD\SY
 Sample : VN0720WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/23/2018 2:04:21 PM

Quant Time: Jul 21 05:33:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	544943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	854223	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	758923	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	383951	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	404318	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
35) Dibromofluoromethane	7.59	113	359872	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
50) Toluene-d8	10.09	98	1301941	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.40	95	426800	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	93110	17.81	ug/l	93
3) Chloromethane	2.06	50	126154	16.96	ug/l	99
4) Vinyl Chloride	2.18	62	141264	17.81	ug/l	99
5) Bromomethane	2.57	94	83908	17.68	ug/l	94
6) Chloroethane	2.70	64	92433	17.84	ug/l	99
7) Trichlorofluoromethane	3.01	101	199244	18.27	ug/l	99
8) Diethyl Ether	3.41	74	72478	19.05	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	121999	18.14	ug/l	100
10) Methyl Iodide	3.95	142	133614	14.81	ug/l	98
11) Tert butyl alcohol	4.81	59	46454	87.06	ug/l	100
12) 1,1-Dichloroethene	3.73	96	106122	17.96	ug/l	99
13) Acrolein	3.61	56	21498	62.52	ug/l	91
14) Allyl chloride	4.32	41	169262	18.17	ug/l	99
15) Acrylonitrile	5.00	53	224682	95.74	ug/l	98
16) Acetone	3.82	43	166722	85.97	ug/l	96
17) Carbon Disulfide	4.05	76	273787	15.49	ug/l	98
18) Methyl Acetate	4.33	43	138424	22.26	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	321436	19.77	ug/l	99
20) Methylene Chloride	4.55	84	138266	18.75	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	114324	18.22	ug/l	97
22) Diisopropyl ether	5.96	45	397384	20.91	ug/l	99
23) Vinyl Acetate	5.90	43	1275903	95.68	ug/l	100
24) 1,1-Dichloroethane	5.85	63	240711	19.73	ug/l	100
25) 2-Butanone	6.85	43	250524	90.39	ug/l	98
26) 2,2-Dichloropropane	6.83	77	142267	14.99	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	136020	19.76	ug/l	97
28) Bromochloromethane	7.20	49	117479	21.32	ug/l	100
29) Tetrahydrofuran	7.22	42	165574	94.84	ug/l	99
30) Chloroform	7.37	83	251901	20.11	ug/l	100
31) Cyclohexane	7.65	56	180848	18.21	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	211801	19.56	ug/l	99
36) 1,1-Dichloropropene	7.79	75	171989	18.11	ug/l	99
37) Ethyl Acetate	6.94	43	116426	17.85	ug/l	98
38) Carbon Tetrachloride	7.77	117	184443	18.13	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	157783	16.08	ug/l	97
40) Benzene	8.04	78	536768	18.54	ug/l	99
41) Methacrylonitrile	7.18	41	51272	15.68	ug/l #	83
42) 1,2-Dichloroethane	8.13	62	179162	18.69	ug/l	99
43) Isopropyl Acetate	8.17	43	235596	20.68	ug/l	96
44) Trichloroethene	8.84	130	139835	18.42	ug/l	99
45) 1,2-Dichloropropane	9.12	63	146883	18.81	ug/l	98
46) Dibromomethane	9.21	93	89723	18.53	ug/l	98
47) Bromodichloromethane	9.40	83	191853	19.15	ug/l	99
48) Methyl methacrylate	9.20	41	101926	17.83	ug/l	99
49) 1,4-Dioxane	9.20	88	27295	336.63	ug/l	90
51) 4-Methyl-2-Pentanone	9.99	43	593945	93.25	ug/l	99
52) Toluene	10.16	92	327089	18.94	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	173700	17.54	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	198041	18.09	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	129986	18.22	ug/l	99
56) Ethyl methacrylate	10.43	69	150359	17.18	ug/l	98
57) 1,3-Dichloropropane	10.71	76	210770	18.76	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	373185	89.40	ug/l	99
59) 2-Hexanone	10.75	43	377507	88.24	ug/l	98
60) Dibromochloromethane	10.90	129	144217	18.44	ug/l	100
61) 1,2-Dibromoethane	11.01	107	122233	18.34	ug/l	98
64) Tetrachloroethene	10.63	164	135193	19.82	ug/l	99
65) Chlorobenzene	11.44	112	359051	18.83	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	141537	19.16	ug/l	100
67) Ethyl Benzene	11.51	91	576790	18.65	ug/l	99
68) m/p-Xylenes	11.63	106	451902	38.59	ug/l	98
69) o-Xylene	11.95	106	214105	19.04	ug/l	100
70) Styrene	11.97	104	355888	19.54	ug/l	100
71) Bromoform	12.13	173	99885	18.90	ug/l #	99
73) Isopropylbenzene	12.25	105	571608	19.60	ug/l	100
74) N-amyl acetate	12.07	43	164433	18.52	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	165088	18.89	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	137920m	19.15	ug/l	
77) Bromobenzene	12.53	156	155084	19.26	ug/l	98
78) n-propylbenzene	12.59	91	651480	19.65	ug/l	100
79) 2-Chlorotoluene	12.68	91	406722	19.98	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	471886	20.19	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	36120	15.68	ug/l	95
82) 4-Chlorotoluene	12.78	91	405257	19.84	ug/l	100
83) tert-Butylbenzene	12.99	119	404145	19.69	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	484496	20.46	ug/l	100
85) sec-Butylbenzene	13.17	105	545724	20.12	ug/l	100
86) p-Isopropyltoluene	13.29	119	458416	19.82	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	264569	18.85	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	258547	18.38	ug/l	100
89) n-Butylbenzene	13.62	91	344660	18.05	ug/l	98
90) Hexachloroethane	13.88	117	94591	18.22	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	269225	19.51	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24025	17.80	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	107947	16.68	ug/l	99
94) Hexachlorobutadiene	15.01	225	79437	17.57	ug/l	97
95) Naphthalene	15.14	128	224063	15.71	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	117239	17.71	ug/l	99

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

