

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072418\
 Data File : VN050023.D
 Acq On : 24 Jul 2018 16:18
 Operator : MD\SY
 Sample : VN0724WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/26/2018 1:51:24 PM

Quant Time: Jul 25 00:54:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 06:27:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	607934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	901437	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	810317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	417706	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	424242	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
35) Dibromofluoromethane	7.60	113	373000	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
50) Toluene-d8	10.09	98	1358186	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.40	95	439222	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.85	85	192353	22.02	ug/l	100
3) Chloromethane	2.06	50	190413	20.05	ug/l	98
4) Vinyl Chloride	2.18	62	199744	19.98	ug/l	98
5) Bromomethane	2.56	94	117453	20.56	ug/l	98
6) Chloroethane	2.70	64	115932	19.31	ug/l	97
7) Trichlorofluoromethane	3.01	101	260890	20.14	ug/l	99
8) Diethyl Ether	3.41	74	88332	20.46	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	155394	19.95	ug/l	99
10) Methyl Iodide	3.95	142	193253	19.33	ug/l	99
11) Tert butyl alcohol	4.81	59	67605	108.32	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	138319	19.74	ug/l	98
13) Acrolein	3.61	56	48059	95.84	ug/l	96
14) Allyl chloride	4.32	41	220751	20.32	ug/l	99
15) Acrylonitrile	5.00	53	286449	105.20	ug/l	99
16) Acetone	3.82	43	237252	116.43	ug/l	99
17) Carbon Disulfide	4.05	76	411209	19.16	ug/l	100
18) Methyl Acetate	4.33	43	175006	21.59	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	390622	20.92	ug/l	99
20) Methylene Chloride	4.55	84	161266	20.71	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	147848	19.91	ug/l	97
22) Diisopropyl ether	5.96	45	458565	21.29	ug/l	99
23) Vinyl Acetate	5.90	43	1583638	104.02	ug/l	99
24) 1,1-Dichloroethane	5.85	63	278278	19.75	ug/l	99
25) 2-Butanone	6.84	43	351668	108.70	ug/l	100
26) 2,2-Dichloropropane	6.83	77	227826	21.26	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	162617	20.35	ug/l	99
28) Bromochloromethane	7.20	49	130448	20.30	ug/l	98
29) Tetrahydrofuran	7.22	42	228998	109.54	ug/l	99
30) Chloroform	7.38	83	288392	20.06	ug/l	97
31) Cyclohexane	7.66	56	234629	20.04	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	242396	19.71	ug/l	99
36) 1,1-Dichloropropene	7.80	75	210109	20.69	ug/l	99
37) Ethyl Acetate	6.94	43	150706	21.28	ug/l	99
38) Carbon Tetrachloride	7.78	117	214639	19.92	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	209934	20.09	ug/l	98
40) Benzene	8.05	78	632960	20.48	ug/l	98
41) Methacrylonitrile	7.18	41	75694	22.15	ug/l #	83
42) 1,2-Dichloroethane	8.13	62	207741	20.15	ug/l	98
43) Isopropyl Acetate	8.17	43	276969	20.07	ug/l	99
44) Trichloroethene	8.84	130	164198	19.77	ug/l	96
45) 1,2-Dichloropropane	9.12	63	165905	20.27	ug/l	99
46) Dibromomethane	9.21	93	105792	20.81	ug/l	99
47) Bromodichloromethane	9.41	83	214757	20.02	ug/l	99
48) Methyl methacrylate	9.20	41	128171	21.02	ug/l	100
49) 1,4-Dioxane	9.20	88	35710	430.30	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	759756	109.15	ug/l	99
52) Toluene	10.16	92	384344	21.07	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	209027	20.65	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	238529	20.62	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	149451	20.65	ug/l	99
56) Ethyl methacrylate	10.43	69	178755	19.53	ug/l	99
57) 1,3-Dichloropropane	10.71	76	244127	20.72	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	408112	94.61	ug/l	100
59) 2-Hexanone	10.75	43	507438	102.33	ug/l	98
60) Dibromochloromethane	10.90	129	160911	20.09	ug/l	97
61) 1,2-Dibromoethane	11.01	107	144764	20.16	ug/l	99
64) Tetrachloroethene	10.63	164	156384	20.07	ug/l	99
65) Chlorobenzene	11.44	112	407489	19.91	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	157552	20.03	ug/l	100
67) Ethyl Benzene	11.51	91	675490	20.54	ug/l	100
68) m/p-Xylenes	11.62	106	526968	42.37	ug/l	100
69) o-Xylene	11.95	106	248859	20.99	ug/l	99
70) Styrene	11.97	104	400601	19.57	ug/l	100
71) Bromoform	12.13	173	114840	20.07	ug/l #	99
73) Isopropylbenzene	12.25	105	667428	20.60	ug/l	100
74) N-amyl acetate	12.07	43	199785	20.18	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	191633	21.13	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	157191m	20.25	ug/l	
77) Bromobenzene	12.53	156	177908	19.81	ug/l	99
78) n-propylbenzene	12.59	91	761047	21.02	ug/l	100
79) 2-Chlorotoluene	12.68	91	463549	20.65	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	546442	21.44	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	49354	20.17	ug/l	96
82) 4-Chlorotoluene	12.78	91	463530	20.86	ug/l	100
83) tert-Butylbenzene	13.00	119	461252	20.74	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	557510	21.71	ug/l	100
85) sec-Butylbenzene	13.17	105	628245	21.14	ug/l	99
86) p-Isopropyltoluene	13.29	119	536938	21.45	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	305815	20.09	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	294117	19.83	ug/l	98
89) n-Butylbenzene	13.62	91	424035	20.60	ug/l	98
90) Hexachloroethane	13.88	117	102399	18.42	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	302384	19.87	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30406	20.59	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	136669	18.98	ug/l	98
94) Hexachlorobutadiene	15.01	225	95146	20.43	ug/l	97
95) Naphthalene	15.14	128	295307	18.53	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	142190	19.50	ug/l	99

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

