

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
 Data File : VN049960.D
 Acq On : 20 Jul 2018 14:11
 Operator : MD\SY
 Sample : VN0720WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/23/2018 2:04:06 PM

Quant Time: Jul 21 00:24:03 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	554772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	838105	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	755944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	386289	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	420417	55.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.28%	
35) Dibromofluoromethane	7.59	113	367798	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
50) Toluene-d8	10.09	98	1339489	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.40	95	441455	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	101140	19.11	ug/l	96
3) Chloromethane	2.06	50	136809	18.07	ug/l	99
4) Vinyl Chloride	2.18	62	147913	18.31	ug/l	99
5) Bromomethane	2.56	94	87332	18.12	ug/l	97
6) Chloroethane	2.70	64	96917	18.37	ug/l	98
7) Trichlorofluoromethane	3.01	101	207742	18.71	ug/l	100
8) Diethyl Ether	3.41	74	75990	19.62	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	133694	19.53	ug/l	97
10) Methyl Iodide	3.95	142	137614	14.98	ug/l	99
11) Tert butyl alcohol	4.81	59	54220	99.81	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	115509	19.21	ug/l	99
13) Acrolein	3.61	56	25364	72.46	ug/l	92
14) Allyl chloride	4.32	41	185551	19.57	ug/l	98
15) Acrylonitrile	5.00	53	245138	102.61	ug/l	98
16) Acetone	3.82	43	198202	100.40	ug/l	97
17) Carbon Disulfide	4.05	76	297205	16.51	ug/l	98
18) Methyl Acetate	4.33	43	149748	23.70	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	347164	20.98	ug/l	98
20) Methylene Chloride	4.55	84	143576	19.12	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	123138	19.28	ug/l	96
22) Diisopropyl ether	5.96	45	421702	21.80	ug/l	99
23) Vinyl Acetate	5.90	43	1404964	103.49	ug/l	99
24) 1,1-Dichloroethane	5.85	63	253154	20.38	ug/l	99
25) 2-Butanone	6.84	43	298776	105.89	ug/l	99
26) 2,2-Dichloropropane	6.82	77	207236	21.44	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	144425	20.61	ug/l	99
28) Bromochloromethane	7.19	49	115358	20.56	ug/l	99
29) Tetrahydrofuran	7.22	42	186323	104.83	ug/l	99
30) Chloroform	7.37	83	264070	20.71	ug/l	99
31) Cyclohexane	7.65	56	193093	19.10	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	217190	19.71	ug/l	98
36) 1,1-Dichloropropene	7.79	75	176415	18.93	ug/l	99
37) Ethyl Acetate	6.94	43	129476	20.23	ug/l	99
38) Carbon Tetrachloride	7.78	117	190753	19.11	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	173338	18.01	ug/l	95
40) Benzene	8.04	78	554226	19.51	ug/l	99
41) Methacrylonitrile	7.17	41	65054	20.28	ug/l	94
42) 1,2-Dichloroethane	8.13	62	189913	20.19	ug/l	100
43) Isopropyl Acetate	8.17	43	247981	22.18	ug/l	98
44) Trichloroethene	8.84	130	144884	19.45	ug/l	96
45) 1,2-Dichloropropane	9.12	63	154977	20.23	ug/l	98
46) Dibromomethane	9.21	93	94409	19.87	ug/l	98
47) Bromodichloromethane	9.40	83	200740	20.43	ug/l	99
48) Methyl methacrylate	9.20	41	110992	19.79	ug/l	98
49) 1,4-Dioxane	9.20	88	31023	389.96	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	657546	105.22	ug/l	99
52) Toluene	10.16	92	345514	20.39	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	193418	19.91	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	219864	20.47	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	139197	19.89	ug/l	98
56) Ethyl methacrylate	10.43	69	162005	18.65	ug/l	98
57) 1,3-Dichloropropane	10.71	76	223344	20.26	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	395956	95.88	ug/l	98
59) 2-Hexanone	10.75	43	433017	103.16	ug/l	96
60) Dibromochloromethane	10.90	129	150734	19.64	ug/l	100
61) 1,2-Dibromoethane	11.01	107	129316	19.77	ug/l	99
64) Tetrachloroethene	10.63	164	136436	20.08	ug/l	98
65) Chlorobenzene	11.44	112	376219	19.81	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	147194	20.01	ug/l	99
67) Ethyl Benzene	11.51	91	611267	19.84	ug/l	99
68) m/p-Xylenes	11.62	106	477491	40.94	ug/l	99
69) o-Xylene	11.95	106	228050	20.36	ug/l	98
70) Styrene	11.97	104	374480	20.64	ug/l	100
71) Bromoform	12.13	173	105181	19.99	ug/l #	99
73) Isopropylbenzene	12.25	105	607689	20.71	ug/l	100
74) N-amyl acetate	12.07	43	179299	20.08	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	177430	20.18	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	141433m	19.52	ug/l	
77) Bromobenzene	12.53	156	160767	19.84	ug/l	97
78) n-propylbenzene	12.59	91	696584	20.88	ug/l	100
79) 2-Chlorotoluene	12.68	91	426037	20.80	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	501304	21.31	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	44686	19.28	ug/l	95
82) 4-Chlorotoluene	12.78	91	431841	21.02	ug/l	99
83) tert-Butylbenzene	12.99	119	425839	20.62	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	509313	21.38	ug/l	100
85) sec-Butylbenzene	13.17	105	579813	21.24	ug/l	100
86) p-Isopropyltoluene	13.29	119	490316	21.07	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	281966	19.97	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	273506	19.32	ug/l	99
89) n-Butylbenzene	13.62	91	381549	19.86	ug/l	99
90) Hexachloroethane	13.88	117	98955	18.95	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	285015	20.53	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26800	19.73	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	121925	18.30	ug/l	99
94) Hexachlorobutadiene	15.01	225	88437	19.44	ug/l	99
95) Naphthalene	15.14	128	259227	17.39	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	127441	19.14	ug/l	98

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

