

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
 Data File : VN049985.D
 Acq On : 21 Jul 2018 3:05
 Operator : MD\SY
 Sample : VN0720WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD02

Manual Integrations
 APPROVED

MMDadoda
 7/23/2018 2:04:27 PM

Quant Time: Jul 21 05:34:24 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	553770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	859092	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	764558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	381840	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	399296	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
35) Dibromofluoromethane	7.59	113	356696	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
50) Toluene-d8	10.09	98	1297497	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.40	95	419821	46.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	97942	18.49	ug/l	97
3) Chloromethane	2.06	50	131770	17.43	ug/l	99
4) Vinyl Chloride	2.18	62	147323	18.27	ug/l	98
5) Bromomethane	2.57	94	86230	17.91	ug/l	99
6) Chloroethane	2.70	64	97155	18.45	ug/l	99
7) Trichlorofluoromethane	3.01	101	204739	18.47	ug/l	99
8) Diethyl Ether	3.41	74	75638	19.56	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	126122	18.46	ug/l	99
10) Methyl Iodide	3.95	142	146628	15.99	ug/l	97
11) Tert butyl alcohol	4.80	59	47991	88.51	ug/l #	72
12) 1,1-Dichloroethene	3.73	96	113162	18.85	ug/l	99
13) Acrolein	3.61	56	22384	64.06	ug/l	100
14) Allyl chloride	4.32	41	176402	18.64	ug/l	98
15) Acrylonitrile	5.00	53	234337	98.27	ug/l	100
16) Acetone	3.82	43	176697	89.67	ug/l	98
17) Carbon Disulfide	4.05	76	287894	16.03	ug/l	100
18) Methyl Acetate	4.33	43	146093	23.15	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	338413	20.49	ug/l	99
20) Methylene Chloride	4.55	84	140151	18.70	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	122866	19.27	ug/l	97
22) Diisopropyl ether	5.96	45	415826	21.53	ug/l	99
23) Vinyl Acetate	5.90	43	1344222	99.20	ug/l	100
24) 1,1-Dichloroethane	5.85	63	252121	20.34	ug/l	99
25) 2-Butanone	6.84	43	265476	94.26	ug/l	98
26) 2,2-Dichloropropane	6.83	77	143817	14.91	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	141848	20.28	ug/l	98
28) Bromochloromethane	7.20	49	119698	21.38	ug/l	99
29) Tetrahydrofuran	7.22	42	174900	98.58	ug/l	99
30) Chloroform	7.37	83	259117	20.36	ug/l	98
31) Cyclohexane	7.65	56	188430	18.67	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	217748	19.79	ug/l	99
36) 1,1-Dichloropropene	7.79	75	175808	18.41	ug/l	100
37) Ethyl Acetate	6.94	43	122799	18.72	ug/l	99
38) Carbon Tetrachloride	7.77	117	191220	18.69	ug/l	99

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

39) Methylcyclohexane	9.08	83	167140	16.94	ug/l	98
40) Benzene	8.04	78	556838	19.13	ug/l	100
41) Methacrylonitrile	7.18	41	47766	14.53	ug/l #	68
42) 1,2-Dichloroethane	8.13	62	189159	19.62	ug/l	99
43) Isopropyl Acetate	8.17	43	239129	20.87	ug/l	98
44) Trichloroethene	8.84	130	143138	18.75	ug/l	98
45) 1,2-Dichloropropane	9.12	63	151685	19.31	ug/l	99
46) Dibromomethane	9.21	93	90293	18.54	ug/l	99
47) Bromodichloromethane	9.41	83	197520	19.61	ug/l	96
48) Methyl methacrylate	9.20	41	105601	18.37	ug/l	98
49) 1,4-Dioxane	9.20	88	27256	334.24	ug/l #	89
51) 4-Methyl-2-Pentanone	9.99	43	614662	95.95	ug/l	99
52) Toluene	10.16	92	342327	19.71	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	179376	18.01	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	205633	18.68	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	135955	18.95	ug/l	98
56) Ethyl methacrylate	10.43	69	152497	17.30	ug/l	97
57) 1,3-Dichloropropane	10.71	76	219351	19.41	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	384810	91.41	ug/l	100
59) 2-Hexanone	10.75	43	397315	92.34	ug/l	97
60) Dibromochloromethane	10.90	129	149048	18.94	ug/l	100
61) 1,2-Dibromoethane	11.01	107	127860	19.07	ug/l	99
64) Tetrachloroethene	10.63	164	142990	20.81	ug/l	99
65) Chlorobenzene	11.44	112	377225	19.64	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	146519	19.69	ug/l	99
67) Ethyl Benzene	11.51	91	605088	19.42	ug/l	100
68) m/p-Xylenes	11.62	106	472597	40.06	ug/l	99
69) o-Xylene	11.95	106	226914	20.03	ug/l	96
70) Styrene	11.97	104	373998	20.38	ug/l	100
71) Bromoform	12.13	173	102420	19.24	ug/l #	98
73) Isopropylbenzene	12.25	105	604470	20.84	ug/l	100
74) N-amyl acetate	12.07	43	171720	19.45	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	170112	19.58	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	132319m	18.47	ug/l	
77) Bromobenzene	12.53	156	159417	19.90	ug/l	97
78) n-propylbenzene	12.59	91	687036	20.83	ug/l	100
79) 2-Chlorotoluene	12.68	91	425093	20.99	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	499725	21.50	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	38678	16.88	ug/l	96
82) 4-Chlorotoluene	12.78	91	423363	20.84	ug/l	99
83) tert-Butylbenzene	13.00	119	426169	20.87	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	507600	21.55	ug/l	99
85) sec-Butylbenzene	13.17	105	567834	21.05	ug/l	100
86) p-Isopropyltoluene	13.29	119	476185	20.70	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	281180	20.15	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	275680	19.70	ug/l	99
89) n-Butylbenzene	13.62	91	367696	19.36	ug/l	99
90) Hexachloroethane	13.88	117	96559	18.71	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	282117	20.56	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24535	18.27	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	120263	18.27	ug/l	99
94) Hexachlorobutadiene	15.01	225	85426	19.00	ug/l	99
95) Naphthalene	15.14	128	252013	17.17	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	129207	19.63	ug/l	99

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

