

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071818\
 Data File : VN049903.D
 Acq On : 19 Jul 2018 5:18
 Operator : MD\SY
 Sample : VN0718WBS05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS05

Manual Integrations
 APPROVED

MMDadoda
 7/19/2018 4:29:02 PM

Quant Time: Jul 19 08:32:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 13:09:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	609125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	922983	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	824471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	412834	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	421116	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
35) Dibromofluoromethane	7.59	113	380530	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
50) Toluene-d8	10.09	98	1380954	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
62) 4-Bromofluorobenzene	12.40	95	453643	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	115564	19.94	ug/l	98
3) Chloromethane	2.06	50	152734	18.37	ug/l	98
4) Vinyl Chloride	2.18	62	168596	19.01	ug/l	99
5) Bromomethane	2.56	94	102099	19.43	ug/l	100
6) Chloroethane	2.70	64	107507	18.56	ug/l	96
7) Trichlorofluoromethane	3.01	101	232495	19.07	ug/l	98
8) Diethyl Ether	3.41	74	84382	19.84	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	140572	18.70	ug/l	99
10) Methyl Iodide	3.95	142	193918	19.23	ug/l	99
11) Tert butyl alcohol	4.80	59	51984	87.16	ug/l	99
12) 1,1-Dichloroethene	3.73	96	127333	19.28	ug/l	98
13) Acrolein	3.61	56	33608	87.45	ug/l	95
14) Allyl chloride	4.32	41	201159	19.32	ug/l	98
15) Acrylonitrile	4.99	53	244873	93.35	ug/l	98
16) Acetone	3.82	43	178418	82.31	ug/l	98
17) Carbon Disulfide	4.05	76	359751	18.21	ug/l	99
18) Methyl Acetate	4.33	43	145358	20.86	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	370601	20.40	ug/l	99
20) Methylene Chloride	4.55	84	153602	18.63	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	140176	19.99	ug/l	98
22) Diisopropyl ether	5.96	45	454797	21.41	ug/l	99
23) Vinyl Acetate	5.90	43	1489348	99.92	ug/l	100
24) 1,1-Dichloroethane	5.85	63	272131	19.95	ug/l	99
25) 2-Butanone	6.84	43	280149	90.43	ug/l	97
26) 2,2-Dichloropropane	6.82	77	166020	15.65	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	161301	20.96	ug/l	95
28) Bromochloromethane	7.19	49	128738	20.90	ug/l	99
29) Tetrahydrofuran	7.22	42	185476	95.04	ug/l	100
30) Chloroform	7.37	83	278618	19.90	ug/l	100
31) Cyclohexane	7.65	56	223275	20.11	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	240139	19.85	ug/l	99
36) 1,1-Dichloropropene	7.79	75	200306	19.52	ug/l	100
37) Ethyl Acetate	6.93	43	131669	18.68	ug/l	98
38) Carbon Tetrachloride	7.77	117	212452	19.33	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	201013	18.96	ug/l	97
40) Benzene	8.04	78	617894	19.75	ug/l	100
41) Methacrylonitrile	7.17	41	58278	16.50	ug/l #	83
42) 1,2-Dichloroethane	8.13	62	201118	19.41	ug/l	99
43) Isopropyl Acetate	8.17	43	259078	21.04	ug/l	98
44) Trichloroethene	8.83	130	161817	19.73	ug/l	100
45) 1,2-Dichloropropane	9.12	63	163083	19.33	ug/l	99
46) Dibromomethane	9.21	93	98240	18.77	ug/l	99
47) Bromodichloromethane	9.40	83	211803	19.57	ug/l	100
48) Methyl methacrylate	9.20	41	114317	18.51	ug/l	100
49) 1,4-Dioxane	9.20	88	30637	349.70	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	651955	94.73	ug/l	100
52) Toluene	10.16	92	380634	20.40	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	195137	18.24	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	225835	19.10	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	144887	18.80	ug/l	98
56) Ethyl methacrylate	10.43	69	173075	18.16	ug/l	99
57) 1,3-Dichloropropane	10.71	76	235643	19.41	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	414359	100.91	ug/l	100
59) 2-Hexanone	10.75	43	422144	91.32	ug/l	99
60) Dibromochloromethane	10.90	129	158577	18.76	ug/l	100
61) 1,2-Dibromoethane	11.01	107	138091	19.17	ug/l	100
64) Tetrachloroethene	10.63	164	148188	20.00	ug/l	99
65) Chlorobenzene	11.43	112	413440	19.96	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	154333	19.23	ug/l	98
67) Ethyl Benzene	11.51	91	679322	20.22	ug/l	99
68) m/p-Xylenes	11.62	106	534118	41.99	ug/l	97
69) o-Xylene	11.95	106	253320	20.73	ug/l	97
70) Styrene	11.96	104	409220	20.68	ug/l	100
71) Bromoform	12.13	173	108544	18.91	ug/l #	100
73) Isopropylbenzene	12.25	105	674966	21.52	ug/l	100
74) N-amyl acetate	12.07	43	187875	19.68	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	177582	18.90	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	146962m	18.98	ug/l	
77) Bromobenzene	12.53	156	176714	20.41	ug/l	99
78) n-propylbenzene	12.59	91	769747	21.59	ug/l	100
79) 2-Chlorotoluene	12.67	91	464596	21.22	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	555938	22.12	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	40700	16.43	ug/l	93
82) 4-Chlorotoluene	12.77	91	469565	21.38	ug/l	99
83) tert-Butylbenzene	12.99	119	467316	21.17	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	564186	22.16	ug/l	99
85) sec-Butylbenzene	13.17	105	633869	21.73	ug/l	100
86) p-Isopropyltoluene	13.29	119	538456	21.65	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	305614	20.26	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	293065	19.37	ug/l	98
89) n-Butylbenzene	13.62	91	418677	20.39	ug/l	99
90) Hexachloroethane	13.88	117	107696	19.30	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	298852	20.15	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26424	18.20	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	136240	18.97	ug/l	100
94) Hexachlorobutadiene	15.01	225	91863	18.90	ug/l	98
95) Naphthalene	15.13	128	289902	17.99	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	141513	19.88	ug/l	99

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

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