

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071818\
 Data File : VN049901.D
 Acq On : 19 Jul 2018 4:27
 Operator : MD\SY
 Sample : VN0718WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS03

Manual Integrations
 APPROVED

apatel
 7/19/2018 4:30:17 PM

Quant Time: Jul 19 08:29:12 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	610722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	931840	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	830220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	418111	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	440963	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
35) Dibromofluoromethane	7.59	113	392097	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
50) Toluene-d8	10.09	98	1448227	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.40	95	469589	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	116783	20.11	ug/l	96
3) Chloromethane	2.06	50	154797	18.57	ug/l	100
4) Vinyl Chloride	2.18	62	171453	19.28	ug/l	100
5) Bromomethane	2.57	94	102402	19.43	ug/l	98
6) Chloroethane	2.70	64	111410	19.19	ug/l	98
7) Trichlorofluoromethane	3.01	101	236386	19.34	ug/l	100
8) Diethyl Ether	3.41	74	85383	20.02	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	143975	19.10	ug/l	100
10) Methyl Iodide	3.95	142	196193	19.40	ug/l	98
11) Tert butyl alcohol	4.81	59	56935	95.21	ug/l	98
12) 1,1-Dichloroethene	3.73	96	129012	19.49	ug/l	98
13) Acrolein	3.61	56	35785	92.87	ug/l	98
14) Allyl chloride	4.32	41	199062	19.07	ug/l	97
15) Acrylonitrile	4.99	53	257711	97.99	ug/l	99
16) Acetone	3.82	43	193022	88.82	ug/l	98
17) Carbon Disulfide	4.05	76	359181	18.13	ug/l	99
18) Methyl Acetate	4.33	43	153128	21.96	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	376828	20.68	ug/l	98
20) Methylene Chloride	4.55	84	153577	18.58	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	138923	19.76	ug/l	99
22) Diisopropyl ether	5.96	45	454132	21.32	ug/l	98
23) Vinyl Acetate	5.90	43	1509621	101.02	ug/l	100
24) 1,1-Dichloroethane	5.85	63	271958	19.89	ug/l	99
25) 2-Butanone	6.84	43	294157	94.70	ug/l	99
26) 2,2-Dichloropropane	6.82	77	166482	15.65	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	160484	20.80	ug/l	97
28) Bromochloromethane	7.19	49	131684	21.32	ug/l	99
29) Tetrahydrofuran	7.22	42	195273	99.80	ug/l	99
30) Chloroform	7.37	83	279535	19.91	ug/l	98
31) Cyclohexane	7.66	56	223828	20.11	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	238048	19.62	ug/l	99
36) 1,1-Dichloropropene	7.79	75	203190	19.61	ug/l	100
37) Ethyl Acetate	6.94	43	135568	19.05	ug/l	100
38) Carbon Tetrachloride	7.77	117	210581	18.97	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	200996	18.78	ug/l	97
40) Benzene	8.04	78	615585	19.49	ug/l	99
41) Methacrylonitrile	7.17	41	71541	20.06	ug/l	96
42) 1,2-Dichloroethane	8.13	62	202351	19.35	ug/l	99
43) Isopropyl Acetate	8.17	43	261480	21.04	ug/l	99
44) Trichloroethene	8.83	130	160599	19.40	ug/l	98
45) 1,2-Dichloropropane	9.12	63	164798	19.34	ug/l	99
46) Dibromomethane	9.21	93	100864	19.09	ug/l	100
47) Bromodichloromethane	9.40	83	210057	19.22	ug/l	96
48) Methyl methacrylate	9.20	41	116732	18.72	ug/l	99
49) 1,4-Dioxane	9.20	88	33267	376.11	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	675521	97.22	ug/l	100
52) Toluene	10.16	92	379635	20.15	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	199904	18.50	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	232090	19.44	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	146544	18.83	ug/l	100
56) Ethyl methacrylate	10.43	69	175354	18.21	ug/l	98
57) 1,3-Dichloropropane	10.71	76	240979	19.66	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	431445	104.08	ug/l	99
59) 2-Hexanone	10.75	43	437599	93.76	ug/l	99
60) Dibromochloromethane	10.90	129	161823	18.96	ug/l	100
61) 1,2-Dibromoethane	11.01	107	140352	19.30	ug/l	99
64) Tetrachloroethene	10.63	164	149169	19.99	ug/l	99
65) Chlorobenzene	11.43	112	409005	19.61	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	159061	19.69	ug/l	99
67) Ethyl Benzene	11.51	91	685577	20.26	ug/l	99
68) m/p-Xylenes	11.62	106	534400	41.72	ug/l	99
69) o-Xylene	11.95	106	252971	20.56	ug/l	98
70) Styrene	11.97	104	418712	21.01	ug/l	99
71) Bromoform	12.13	173	110825	19.17	ug/l #	100
73) Isopropylbenzene	12.25	105	684997	21.57	ug/l	100
74) N-amyl acetate	12.07	43	194408	20.11	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	184359	19.37	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	152518m	19.45	ug/l	
77) Bromobenzene	12.53	156	179902	20.51	ug/l	99
78) n-propylbenzene	12.59	91	779937	21.60	ug/l	100
79) 2-Chlorotoluene	12.68	91	473663	21.36	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	568012	22.31	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	44519	17.75	ug/l	98
82) 4-Chlorotoluene	12.77	91	473976	21.31	ug/l	99
83) tert-Butylbenzene	12.99	119	484440	21.67	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	571815	22.17	ug/l	99
85) sec-Butylbenzene	13.17	105	634795	21.49	ug/l	100
86) p-Isopropyltoluene	13.29	119	536643	21.31	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	305367	19.98	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	300015	19.58	ug/l	99
89) n-Butylbenzene	13.62	91	420687	20.23	ug/l	99
90) Hexachloroethane	13.88	117	108551	19.20	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	304287	20.25	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28373	19.30	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	134203	18.55	ug/l	98
94) Hexachlorobutadiene	15.01	225	91141	18.51	ug/l	98
95) Naphthalene	15.13	128	290143	17.83	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	138596	19.23	ug/l	99

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

