

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122418\
 Data File : VN053181.D
 Acq On : 24 Dec 2018 13:26
 Operator : MD\SY
 Sample : VN1224WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 10:53:54 AM

Quant Time: Dec 24 23:57:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	901523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1395111	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1238656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	563051	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	458099	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
35) Dibromofluoromethane	7.59	113	386634	60.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.34%	
50) Toluene-d8	10.09	98	1662898	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.40	95	574010	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	172393	18.894	ug/l	100
3) Chloromethane	2.06	50	220879	19.977	ug/l	99
4) Vinyl Chloride	2.19	62	222115	19.836	ug/l	100
5) Bromomethane	2.58	94	143465	18.492	ug/l	99
6) Chloroethane	2.71	64	134619	20.299	ug/l	99
7) Trichlorofluoromethane	3.02	101	288044	20.649	ug/l	99
8) Diethyl Ether	3.41	74	112987	21.470	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	182150	20.480	ug/l	98
10) Methyl Iodide	3.96	142	234159	18.747	ug/l	98
11) Tert butyl alcohol	4.78	59	58400	104.618	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	177036	20.603	ug/l	98
13) Acrolein	3.61	56	52946	104.603	ug/l	99
14) Allyl chloride	4.33	41	301608	22.661	ug/l	94
15) Acrylonitrile	4.99	53	327639	105.649	ug/l	99
16) Acetone	3.82	43	201338	112.242	ug/l	98
17) Carbon Disulfide	4.06	76	485385	17.321	ug/l	98
18) Methyl Acetate	4.33	43	182131	22.919	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	496148	21.577	ug/l	99
20) Methylene Chloride	4.55	84	207247	21.180	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	189203	20.494	ug/l	100
22) Diisopropyl ether	5.95	45	644458	22.684	ug/l	98
23) Vinyl Acetate	5.90	43	1847201	113.071	ug/l	99
24) 1,1-Dichloroethane	5.85	63	364874	21.613	ug/l	100
25) 2-Butanone	6.83	43	342105	113.641	ug/l	100
26) 2,2-Dichloropropane	6.83	77	254073	19.715	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	224433	21.473	ug/l	99
28) Bromochloromethane	7.19	49	162727	22.245	ug/l	98
29) Tetrahydrofuran	7.21	42	246597	109.678	ug/l	99
30) Chloroform	7.37	83	359336	21.668	ug/l	97
31) Cyclohexane	7.66	56	335129	20.547	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	295984	20.951	ug/l	100
36) 1,1-Dichloropropene	7.79	75	270614	20.209	ug/l	99
37) Ethyl Acetate	6.93	43	162360	21.720	ug/l	99
38) Carbon Tetrachloride	7.78	117	245647	20.014	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	303838	18.678	ug/l	97
40) Benzene	8.04	78	837394	21.024	ug/l	99
41) Methacrylonitrile	7.17	41	96249	22.284	ug/l	95
42) 1,2-Dichloroethane	8.13	62	246889	20.982	ug/l	98
43) Isopropyl Acetate	8.16	43	301206	20.199	ug/l	99
44) Trichloroethene	8.84	130	223318	19.384	ug/l	99
45) 1,2-Dichloropropane	9.12	63	227631	21.941	ug/l	99
46) Dibromomethane	9.21	93	124840	20.656	ug/l	98
47) Bromodichloromethane	9.40	83	266380	20.735	ug/l	99
48) Methyl methacrylate	9.20	41	150820	20.792	ug/l	98
49) 1,4-Dioxane	9.20	88	36961	402.811	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	800073	110.519	ug/l	100
52) Toluene	10.16	92	514399	20.836	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	265455	19.650	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	318615	20.548	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	183863	21.348	ug/l	99
56) Ethyl methacrylate	10.43	69	236944	20.785	ug/l	99
57) 1,3-Dichloropropane	10.71	76	316092	21.402	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	652391	104.241	ug/l	99
59) 2-Hexanone	10.75	43	530470	108.304	ug/l	99
60) Dibromochloromethane	10.90	129	200637	20.351	ug/l	99
61) 1,2-Dibromoethane	11.01	107	181785	20.782	ug/l	98
64) Tetrachloroethene	10.63	164	242695	18.088	ug/l	97
65) Chlorobenzene	11.43	112	567485	20.668	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	196614	20.592	ug/l	100
67) Ethyl Benzene	11.51	91	969472	20.531	ug/l	99
68) m/p-Xylenes	11.62	106	739182	41.178	ug/l	98
69) o-Xylene	11.95	106	360603	20.934	ug/l	99
70) Styrene	11.96	104	583868	20.787	ug/l	99
71) Bromoform	12.13	173	132724	19.241	ug/l #	100
73) Isopropylbenzene	12.25	105	948348	21.527	ug/l	100
74) N-amyl acetate	12.07	43	257397	21.045	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	202006	23.373	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	178051m	18.785	ug/l	
77) Bromobenzene	12.53	156	248542	21.704	ug/l	95
78) n-propylbenzene	12.59	91	1050654	20.940	ug/l	99
79) 2-Chlorotoluene	12.68	91	636232	20.458	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	752519	20.957	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	55619	18.913	ug/l	99
82) 4-Chlorotoluene	12.77	91	644579	21.173	ug/l	100
83) tert-Butylbenzene	12.99	119	663642	20.897	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	760920	21.080	ug/l	100
85) sec-Butylbenzene	13.17	105	850120	19.791	ug/l	99
86) p-Isopropyltoluene	13.29	119	735804	19.824	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	413907	20.422	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	410325	19.992	ug/l	99
89) n-Butylbenzene	13.62	91	590831	18.503	ug/l	100
90) Hexachloroethane	13.88	117	112702	19.787	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	399592	20.949	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29784	19.931	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	190866	19.257	ug/l	99
94) Hexachlorobutadiene	15.01	225	119690	21.221	ug/l	99
95) Naphthalene	15.13	128	433160	20.264	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	172579	19.279	ug/l	99

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

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