

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122818\
 Data File : VN053224.D
 Acq On : 28 Dec 2018 14:56
 Operator : MD\SY
 Sample : VN1228WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1228WBS02

Manual Integrations
 APPROVED

MMDadoda
 1/2/2019 9:49:16 AM

Quant Time: Dec 28 23:12:05 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	847444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1272157	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1120728	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	527508	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	435819	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
35) Dibromofluoromethane	7.59	113	369865	63.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.30%	
50) Toluene-d8	10.09	98	1563669	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.40	95	544083	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	155152	18.090	ug/l	100
3) Chloromethane	2.06	50	190182	18.299	ug/l	99
4) Vinyl Chloride	2.19	62	195489	18.572	ug/l	100
5) Bromomethane	2.58	94	133033	18.242	ug/l	100
6) Chloroethane	2.71	64	117178	18.797	ug/l	98
7) Trichlorofluoromethane	3.02	101	264418	20.165	ug/l	100
8) Diethyl Ether	3.41	74	102818	20.785	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	171213	20.479	ug/l	97
10) Methyl Iodide	3.96	142	222613	18.960	ug/l	99
11) Tert butyl alcohol	4.78	59	54778	104.392	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	158834	19.664	ug/l	96
13) Acrolein	3.61	56	42339	88.985	ug/l	99
14) Allyl chloride	4.33	41	267813	21.405	ug/l	95
15) Acrylonitrile	4.99	53	307642	105.532	ug/l	100
16) Acetone	3.82	43	185131	109.793	ug/l	96
17) Carbon Disulfide	4.06	76	419899	15.940	ug/l	99
18) Methyl Acetate	4.33	43	174974	23.401	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	453858	20.997	ug/l	98
20) Methylene Chloride	4.55	84	188447	20.488	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	168708	19.440	ug/l	98
22) Diisopropyl ether	5.95	45	584748	21.896	ug/l	98
23) Vinyl Acetate	5.90	43	1686552	109.826	ug/l	99
24) 1,1-Dichloroethane	5.85	63	332556	20.956	ug/l	99
25) 2-Butanone	6.83	43	319095	112.761	ug/l	100
26) 2,2-Dichloropropane	6.83	77	248973	20.552	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	201284	20.487	ug/l	100
28) Bromochloromethane	7.20	49	137717	20.027	ug/l	97
29) Tetrahydrofuran	7.21	42	221200	104.660	ug/l	96
30) Chloroform	7.37	83	326395	20.937	ug/l	99
31) Cyclohexane	7.66	56	304052	19.794	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	270243	20.350	ug/l	99
36) 1,1-Dichloropropene	7.79	75	247335	20.256	ug/l	99
37) Ethyl Acetate	6.93	43	148793	21.828	ug/l	99
38) Carbon Tetrachloride	7.78	117	231732	20.705	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	284103	19.153	ug/l	99
40) Benzene	8.04	78	754268	20.767	ug/l	100
41) Methacrylonitrile	7.17	41	88133	22.377	ug/l	96
42) 1,2-Dichloroethane	8.12	62	221972	20.688	ug/l	98
43) Isopropyl Acetate	8.16	43	274555	20.191	ug/l	99
44) Trichloroethene	8.84	130	209030	19.898	ug/l	96
45) 1,2-Dichloropropane	9.12	63	204163	21.581	ug/l	100
46) Dibromomethane	9.21	93	115065	20.879	ug/l	98
47) Bromodichloromethane	9.40	83	244592	20.879	ug/l	100
48) Methyl methacrylate	9.20	41	138084	20.876	ug/l	99
49) 1,4-Dioxane	9.20	88	34091	407.441	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	726619	110.073	ug/l	99
52) Toluene	10.16	92	464562	20.636	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	245610	19.938	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	294489	20.827	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	167535	21.332	ug/l	99
56) Ethyl methacrylate	10.43	69	218570	21.026	ug/l	97
57) 1,3-Dichloropropane	10.71	76	287742	21.365	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	605964	106.180	ug/l	99
59) 2-Hexanone	10.75	43	492494	110.269	ug/l	100
60) Dibromochloromethane	10.90	129	184617	20.536	ug/l	100
61) 1,2-Dibromoethane	11.01	107	164691	20.647	ug/l	100
64) Tetrachloroethene	10.63	164	214151	17.640	ug/l	99
65) Chlorobenzene	11.43	112	515446	20.748	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	184426	21.348	ug/l	99
67) Ethyl Benzene	11.51	91	883938	20.689	ug/l	100
68) m/p-Xylenes	11.62	106	672673	41.416	ug/l	100
69) o-Xylene	11.95	106	327281	20.999	ug/l	99
70) Styrene	11.96	104	536220	21.100	ug/l	99
71) Bromoform	12.13	173	121999	19.548	ug/l #	99
73) Isopropylbenzene	12.25	105	871721	21.121	ug/l	100
74) N-amyl acetate	12.07	43	234122	20.432	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	192427	23.765	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	165703m	18.660	ug/l	
77) Bromobenzene	12.53	156	222378	20.728	ug/l	98
78) n-propylbenzene	12.59	91	985755	20.971	ug/l	99
79) 2-Chlorotoluene	12.68	91	586976	20.146	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	697339	20.729	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	53837	19.541	ug/l	99
82) 4-Chlorotoluene	12.77	91	597029	20.932	ug/l	100
83) tert-Butylbenzene	12.99	119	618739	20.796	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	713816	21.107	ug/l	100
85) sec-Butylbenzene	13.17	105	821773	20.420	ug/l	99
86) p-Isopropyltoluene	13.29	119	703983	20.245	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	388648	20.468	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	380360	19.780	ug/l	99
89) n-Butylbenzene	13.62	91	574076	19.190	ug/l	100
90) Hexachloroethane	13.88	117	108515	20.335	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	370917	20.755	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28364	20.259	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	183192	19.714	ug/l	100
94) Hexachlorobutadiene	15.01	225	115792	22.012	ug/l	99
95) Naphthalene	15.13	128	375142	18.819	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	164133	19.563	ug/l	99

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

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