

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042719\
 Data File : VN055272.D
 Acq On : 26 Apr 2019 13:34
 Operator : JC/SP
 Sample : VN0427WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/29/2019 10:57:02 AM

Quant Time: Apr 27 03:08:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	379242	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	623293	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	538925	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	196592	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	273541	53.29	ug/l	0.00
Spiked Amount			Recovery	=	106.58%	
35) Dibromofluoromethane	7.59	113	211852	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
50) Toluene-d8	10.09	98	775101	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
62) 4-Bromofluorobenzene	12.40	95	241280	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	106361	21.782	ug/l	100
3) Chloromethane	2.06	50	124319	20.778	ug/l	99
4) Vinyl Chloride	2.19	62	98465	20.537	ug/l	98
5) Bromomethane	2.56	94	54367	19.554	ug/l	99
6) Chloroethane	2.70	64	51731	20.472	ug/l	100
7) Trichlorofluoromethane	3.02	101	142298	21.810	ug/l	99
8) Diethyl Ether	3.41	74	50796	21.813	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	82005	20.142	ug/l	99
10) Methyl Iodide	3.95	142	119727	20.971	ug/l	99
11) Tert butyl alcohol	4.80	59	36036	120.248	ug/l #	83
12) 1,1-Dichloroethene	3.74	96	81415	20.866	ug/l	99
13) Acrolein	3.61	56	43262	102.148	ug/l	99
14) Allyl chloride	4.33	41	166081	21.532	ug/l	99
15) Acrylonitrile	4.99	53	191534	116.539	ug/l	99
16) Acetone	3.82	43	149931	88.355	ug/l	98
17) Carbon Disulfide	4.06	76	210642	19.311	ug/l	100
18) Methyl Acetate	4.33	43	91179	24.429	ug/l	96
19) Methyl tert-butyl Ether	5.05	73	239104	22.165	ug/l	99
20) Methylene Chloride	4.55	84	97132	19.911	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	85480	20.892	ug/l	97
22) Diisopropyl ether	5.95	45	340853	22.169	ug/l	96
23) Vinyl Acetate	5.90	43	1193452	115.511	ug/l	99
24) 1,1-Dichloroethane	5.85	63	176334	21.322	ug/l	99
25) 2-Butanone	6.84	43	234167	106.888	ug/l	100
26) 2,2-Dichloropropane	6.83	77	112156	20.041	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	100289	21.264	ug/l	100
28) Bromochloromethane	7.20	49	93921	22.279	ug/l	97
29) Tetrahydrofuran	7.21	42	158066	117.348	ug/l	100
30) Chloroform	7.37	83	166345	21.146	ug/l	97
31) Cyclohexane	7.65	56	161412	20.069	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	134732	21.319	ug/l	99
36) 1,1-Dichloropropene	7.79	75	122453	21.167	ug/l	99
37) Ethyl Acetate	6.93	43	102490	21.952	ug/l	97
38) Carbon Tetrachloride	7.77	117	111415	20.566	ug/l	100

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39) Methylcyclohexane	9.08	83	128959	18.685	ug/l	99
40) Benzene	8.04	78	372085	20.835	ug/l	97
41) Methacrylonitrile	7.18	41	53479	21.849	ug/l	95
42) 1,2-Dichloroethane	8.13	62	132546	21.275	ug/l	99
43) Isopropyl Acetate	8.17	43	167138	22.107	ug/l #	89
44) Trichloroethene	8.84	130	92202	20.427	ug/l	99
45) 1,2-Dichloropropane	9.12	63	105748	20.978	ug/l	93
46) Dibromomethane	9.21	93	60019	20.799	ug/l	97
47) Bromodichloromethane	9.40	83	124156	21.492	ug/l	96
48) Methyl methacrylate	9.20	41	79728	21.740	ug/l	95
49) 1,4-Dioxane	9.20	88	18697	441.474	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	485423	111.580	ug/l	100
52) Toluene	10.16	92	216975	20.725	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	111002	20.938	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	137423	20.888	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	83039	21.514	ug/l	99
56) Ethyl methacrylate	10.43	69	104915	21.820	ug/l	99
57) 1,3-Dichloropropane	10.71	76	144578	21.530	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	133946	80.317	ug/l	100
59) 2-Hexanone	10.75	43	304274	110.728	ug/l	100
60) Dibromochloromethane	10.90	129	83456	20.992	ug/l	98
61) 1,2-Dibromoethane	11.00	107	78008	21.497	ug/l	100
64) Tetrachloroethene	10.63	164	88170	20.055	ug/l	98
65) Chlorobenzene	11.43	112	220938	20.085	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	83825	20.561	ug/l	99
67) Ethyl Benzene	11.51	91	401294	20.480	ug/l	100
68) m/p-Xylenes	11.62	106	287358	40.889	ug/l	100
69) o-Xylene	11.95	106	139294	19.972	ug/l	96
70) Styrene	11.96	104	225449	20.854	ug/l	99
71) Bromoform	12.13	173	48693	20.014	ug/l #	96
73) Isopropylbenzene	12.25	105	376510	22.599	ug/l	100
74) N-amyl acetate	12.07	43	113305	22.355	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	102473	24.380	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	87142m	21.849	ug/l	
77) Bromobenzene	12.53	156	89016	20.510	ug/l	98
78) n-propylbenzene	12.59	91	396837	20.128	ug/l	100
79) 2-Chlorotoluene	12.67	91	247723	19.898	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	299345	20.340	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21505	20.440	ug/l	97
82) 4-Chlorotoluene	12.77	91	233447	20.381	ug/l	99
83) tert-Butylbenzene	12.99	119	256798	21.990	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	278461	20.050	ug/l	99
85) sec-Butylbenzene	13.17	105	321477	19.309	ug/l	98
86) p-Isopropyltoluene	13.29	119	269575	19.653	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	131731	19.772	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	128382	19.792	ug/l	98
89) n-Butylbenzene	13.61	91	187113	18.404	ug/l	97
90) Hexachloroethane	13.87	117	45319	18.629	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	132956	19.429	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12886	21.586	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	39038	15.502	ug/l	100
94) Hexachlorobutadiene	15.01	225	42551	19.968	ug/l	97
95) Naphthalene	15.13	128	88395	16.429	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	43311	16.567	ug/l	99

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

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