

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042919\
 Data File : VN055294.D
 Acq On : 29 Apr 2019 15:29
 Operator : JC/SP
 Sample : VN0429WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:59:21 AM

Quant Time: Apr 30 05:06:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 04:20:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	421999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	680725	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	585294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	213306	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	274519	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
35) Dibromofluoromethane	7.59	113	219865	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	10.09	98	797672	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
62) 4-Bromofluorobenzene	12.40	95	254966	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	112430	21.745	ug/l	98
3) Chloromethane	2.06	50	128930	20.138	ug/l	98
4) Vinyl Chloride	2.19	62	104021	20.156	ug/l	99
5) Bromomethane	2.56	94	54951	20.102	ug/l	98
6) Chloroethane	2.71	64	54114	19.356	ug/l	96
7) Trichlorofluoromethane	3.02	101	145064	19.768	ug/l	97
8) Diethyl Ether	3.41	74	52421	20.418	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	85890	19.655	ug/l	99
10) Methyl Iodide	3.96	142	124309	20.213	ug/l	99
11) Tert butyl alcohol	4.78	59	35819m	113.324	ug/l	
12) 1,1-Dichloroethene	3.74	96	83374	20.000	ug/l	97
13) Acrolein	3.61	56	27216	110.256	ug/l	96
14) Allyl chloride	4.33	41	167670	19.420	ug/l	99
15) Acrylonitrile	4.99	53	185886	104.629	ug/l	100
16) Acetone	3.82	43	154068	89.565	ug/l	99
17) Carbon Disulfide	4.06	76	212721	19.553	ug/l	100
18) Methyl Acetate	4.33	43	93995	21.848	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	243217	20.754	ug/l	99
20) Methylene Chloride	4.55	84	103938	19.796	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	86864	19.675	ug/l	96
22) Diisopropyl ether	5.95	45	353853	20.628	ug/l	96
23) Vinyl Acetate	5.90	43	1204231	107.110	ug/l	100
24) 1,1-Dichloroethane	5.85	63	183036	20.026	ug/l	99
25) 2-Butanone	6.84	43	228591	103.910	ug/l	99
26) 2,2-Dichloropropane	6.82	77	118486	18.773	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	102134	20.343	ug/l	99
28) Bromochloromethane	7.20	49	86473	18.769	ug/l	100
29) Tetrahydrofuran	7.22	42	153975	109.307	ug/l	99
30) Chloroform	7.37	83	171275	19.768	ug/l	100
31) Cyclohexane	7.65	56	171273	19.723	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	137768	19.592	ug/l	100
36) 1,1-Dichloropropene	7.80	75	123814	18.989	ug/l	100
37) Ethyl Acetate	6.94	43	102795	20.570	ug/l	97
38) Carbon Tetrachloride	7.78	117	116752	18.562	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	133271	19.224	ug/l	96
40) Benzene	8.04	78	378015	19.666	ug/l	100
41) Methacrylonitrile	7.18	41	57316	21.618	ug/l #	85
42) 1,2-Dichloroethane	8.13	62	136880	20.106	ug/l	100
43) Isopropyl Acetate	8.16	43	175923	21.906	ug/l #	88
44) Trichloroethene	8.83	130	94183	19.221	ug/l	97
45) 1,2-Dichloropropane	9.12	63	109591	19.768	ug/l	98
46) Dibromomethane	9.21	93	60712	20.035	ug/l	99
47) Bromodichloromethane	9.40	83	127968	19.685	ug/l	99
48) Methyl methacrylate	9.20	41	84344	21.364	ug/l	96
49) 1,4-Dioxane	9.20	88	18785	460.284	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	487309	107.776	ug/l	99
52) Toluene	10.16	92	225759	20.470	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	115005	20.379	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	143271	20.362	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	84035	20.519	ug/l	99
56) Ethyl methacrylate	10.43	69	109474	21.718	ug/l	97
57) 1,3-Dichloropropane	10.71	76	146480	20.388	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	140895	97.999	ug/l	99
59) 2-Hexanone	10.75	43	301945	106.730	ug/l	99
60) Dibromochloromethane	10.90	129	85890	20.520	ug/l	100
61) 1,2-Dibromoethane	11.00	107	77566	20.491	ug/l	97
64) Tetrachloroethene	10.63	164	90846	18.980	ug/l	98
65) Chlorobenzene	11.43	112	227770	19.904	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	87350	19.494	ug/l	98
67) Ethyl Benzene	11.51	91	409751	19.829	ug/l	100
68) m/p-Xylenes	11.62	106	300034	40.677	ug/l	98
69) o-Xylene	11.95	106	147060	20.115	ug/l	100
70) Styrene	11.96	104	234683	20.907	ug/l	100
71) Bromoform	12.13	173	51579	20.745	ug/l #	98
73) Isopropylbenzene	12.25	105	393715	21.388	ug/l	98
74) N-amyl acetate	12.07	43	115213	21.046	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	104960	23.126	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	89178m	21.034	ug/l	
77) Bromobenzene	12.53	156	93850	21.821	ug/l	98
78) n-propylbenzene	12.59	91	419834	19.161	ug/l	100
79) 2-Chlorotoluene	12.67	91	262555	21.177	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	315949	18.894	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22232	19.752	ug/l	90
82) 4-Chlorotoluene	12.77	91	245347	19.258	ug/l	100
83) tert-Butylbenzene	12.99	119	271796	21.291	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	299318	20.014	ug/l	98
85) sec-Butylbenzene	13.17	105	350795	19.300	ug/l	99
86) p-Isopropyltoluene	13.29	119	293011	19.614	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	142242	19.928	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	132231	19.672	ug/l	98
89) n-Butylbenzene	13.61	91	206438	19.447	ug/l	99
90) Hexachloroethane	13.87	117	48512	19.550	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	139987	19.788	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13802	24.595	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	44370	18.166	ug/l	98
94) Hexachlorobutadiene	15.01	225	47557	20.700	ug/l	95
95) Naphthalene	15.13	128	95769	18.406	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	48599	19.382	ug/l	100

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

