

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030419\
 Data File : VN054066.D
 Acq On : 4 Mar 2019 15:33
 Operator : JC/SP
 Sample : VN0304WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBS02

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 9:59:16 AM

Quant Time: Mar 05 00:12:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	650995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1011595	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	859272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	386199	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	377995	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
35) Dibromofluoromethane	7.59	113	329815	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.09	98	1204683	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
62) 4-Bromofluorobenzene	12.40	95	391575	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	114322	19.081	ug/l	97
3) Chloromethane	2.06	50	158977	19.130	ug/l	99
4) Vinyl Chloride	2.19	62	158204	19.000	ug/l	99
5) Bromomethane	2.57	94	102300	18.551	ug/l	99
6) Chloroethane	2.71	64	95734	18.487	ug/l	100
7) Trichlorofluoromethane	3.02	101	202404	19.028	ug/l	98
8) Diethyl Ether	3.41	74	76444	19.181	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.76	101	130407	19.411	ug/l	94
10) Methyl Iodide	3.96	142	158354	17.938	ug/l	98
11) Tert butyl alcohol	4.78	59	46063	95.217	ug/l	99
12) 1,1-Dichloroethene	3.74	96	117844	18.338	ug/l	91
13) Acrolein	3.61	56	29022	57.944	ug/l	99
14) Allyl chloride	4.33	41	222513	19.742	ug/l	94
15) Acrylonitrile	4.99	53	253898	99.580	ug/l	99
16) Acetone	3.82	43	222655	103.078	ug/l	95
17) Carbon Disulfide	4.06	76	365338	17.622	ug/l	99
18) Methyl Acetate	4.32	43	112881	21.155	ug/l	94
19) Methyl tert-butyl Ether	5.04	73	332468	19.286	ug/l	99
20) Methylene Chloride	4.55	84	143590	19.012	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	129873	18.672	ug/l	92
22) Diisopropyl ether	5.95	45	437236	20.108	ug/l	94
23) Vinyl Acetate	5.90	43	1495807	95.624	ug/l	95
24) 1,1-Dichloroethane	5.85	63	259865	19.488	ug/l	98
25) 2-Butanone	6.83	43	294558	98.306	ug/l	93
26) 2,2-Dichloropropane	6.82	77	188087	19.854	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	150315	19.432	ug/l	94
28) Bromochloromethane	7.19	49	129332	21.189	ug/l #	79
29) Tetrahydrofuran	7.21	42	194663	97.557	ug/l	91
30) Chloroform	7.37	83	251714	19.467	ug/l	97
31) Cyclohexane	7.66	56	243257	19.685	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	204255	19.159	ug/l	95
36) 1,1-Dichloropropene	7.79	75	191235	20.328	ug/l	97
37) Ethyl Acetate	6.93	43	128292	19.099	ug/l	98
38) Carbon Tetrachloride	7.77	117	180629	18.462	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	223108	19.676	ug/l	94
40) Benzene	8.04	78	562608	19.467	ug/l	100
41) Methacrylonitrile	7.17	41	61333	14.180	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	184536	20.625	ug/l	96
43) Isopropyl Acetate	8.16	43	213449	18.820	ug/l #	90
44) Trichloroethene	8.83	130	145778	19.027	ug/l	93
45) 1,2-Dichloropropane	9.12	63	156838	20.115	ug/l	99
46) Dibromomethane	9.21	93	88030	19.447	ug/l	91
47) Bromodichloromethane	9.40	83	187745	19.681	ug/l	97
48) Methyl methacrylate	9.20	41	102411	19.631	ug/l	93
49) 1,4-Dioxane	9.20	88	27465	388.703	ug/l #	88
51) 4-Methyl-2-Pentanone	9.98	43	575984	98.829	ug/l	96
52) Toluene	10.16	92	337868	19.854	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	179113	19.297	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	216394	19.776	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	122682	19.304	ug/l	98
56) Ethyl methacrylate	10.43	69	140735	18.183	ug/l #	88
57) 1,3-Dichloropropane	10.71	76	213147	19.850	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	333310	94.851	ug/l	95
59) 2-Hexanone	10.75	43	369530	97.489	ug/l	91
60) Dibromochloromethane	10.90	129	133744	18.936	ug/l	99
61) 1,2-Dibromoethane	11.00	107	117183	19.114	ug/l	100
64) Tetrachloroethene	10.63	164	146837	20.181	ug/l	96
65) Chlorobenzene	11.43	112	359577	19.828	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	131216	20.077	ug/l	99
67) Ethyl Benzene	11.51	91	611348	20.109	ug/l	99
68) m/p-Xylenes	11.62	106	468824	40.859	ug/l	97
69) o-Xylene	11.95	106	226230	20.066	ug/l	96
70) Styrene	11.96	104	353086	20.361	ug/l	98
71) Bromoform	12.13	173	86494	19.023	ug/l #	99
73) Isopropylbenzene	12.25	105	600909	19.988	ug/l	99
74) N-amyl acetate	12.07	43	160614	20.384	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	141825	18.865	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	117093m	18.900	ug/l	
77) Bromobenzene	12.53	156	143894	18.852	ug/l	89
78) n-propylbenzene	12.59	91	706077	20.652	ug/l	97
79) 2-Chlorotoluene	12.67	91	416037	20.257	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	515379	20.941	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	34815	17.761	ug/l #	87
82) 4-Chlorotoluene	12.77	91	415033	20.446	ug/l	96
83) tert-Butylbenzene	12.99	119	437030	20.077	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	514559	20.942	ug/l	99
85) sec-Butylbenzene	13.17	105	613759	20.644	ug/l	98
86) p-Isopropyltoluene	13.29	119	521427	20.746	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	261902	19.835	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	251483	19.632	ug/l	98
89) n-Butylbenzene	13.62	91	440276	20.786	ug/l	97
90) Hexachloroethane	13.87	117	92463	18.985	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	253111	19.803	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21063	19.826	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	116241	17.870	ug/l	99
94) Hexachlorobutadiene	15.01	225	93460	20.242	ug/l	99
95) Naphthalene	15.13	128	216720	16.474	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	115605	18.007	ug/l	97

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

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