

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030419\
 Data File : VN054068.D
 Acq On : 4 Mar 2019 16:27
 Operator : JC/SP
 Sample : VN0304WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBSD02

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 9:59:22 AM

Quant Time: Mar 05 00:16:11 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	596550	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1004136	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	860604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	371494	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	385528	55.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.26%	
35) Dibromofluoromethane	7.59	113	332378	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
50) Toluene-d8	10.09	98	1220282	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.40	95	390629	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	111597	20.327	ug/l	100
3) Chloromethane	2.06	50	162854	21.385	ug/l	99
4) Vinyl Chloride	2.19	62	159881	20.954	ug/l	99
5) Bromomethane	2.57	94	102078	20.200	ug/l	98
6) Chloroethane	2.71	64	99123	20.888	ug/l	99
7) Trichlorofluoromethane	3.02	101	201661	20.688	ug/l	98
8) Diethyl Ether	3.41	74	77932	21.339	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.76	101	126527	20.552	ug/l	95
10) Methyl Iodide	3.95	142	166961	20.639	ug/l	98
11) Tert butyl alcohol	4.78	59	47122	106.296	ug/l #	86
12) 1,1-Dichloroethene	3.74	96	120597	20.479	ug/l	90
13) Acrolein	3.61	56	37202	81.055	ug/l	97
14) Allyl chloride	4.33	41	227375	22.014	ug/l	95
15) Acrylonitrile	4.99	53	262235	112.237	ug/l	99
16) Acetone	3.81	43	210989	107.027	ug/l	94
17) Carbon Disulfide	4.06	76	364474	19.185	ug/l	99
18) Methyl Acetate	4.32	43	121367	24.821	ug/l	93
19) Methyl tert-butyl Ether	5.05	73	345319	21.859	ug/l	97
20) Methylene Chloride	4.55	84	145516	21.025	ug/l	90
21) trans-1,2-Dichloroethene	5.04	96	130883	20.535	ug/l	91
22) Diisopropyl ether	5.95	45	452201	22.694	ug/l	93
23) Vinyl Acetate	5.90	43	1576987	110.015	ug/l	95
24) 1,1-Dichloroethane	5.85	63	264183	21.620	ug/l	99
25) 2-Butanone	6.83	43	298071	108.557	ug/l	95
26) 2,2-Dichloropropane	6.83	77	187624	21.612	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	150060	21.170	ug/l	91
28) Bromochloromethane	7.19	49	126309	22.583	ug/l #	80
29) Tetrahydrofuran	7.21	42	204005	111.570	ug/l	90
30) Chloroform	7.37	83	253415	21.388	ug/l	100
31) Cyclohexane	7.65	56	240450	21.267	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	208467	21.339	ug/l	96
36) 1,1-Dichloropropene	7.79	75	195945	20.983	ug/l	95
37) Ethyl Acetate	6.93	43	135915	20.384	ug/l #	97
38) Carbon Tetrachloride	7.77	117	181920	18.732	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	215104	19.111	ug/l	93
40) Benzene	8.04	78	576991	20.113	ug/l	98
41) Methacrylonitrile	7.17	41	66826	15.565	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	188585	21.234	ug/l	96
43) Isopropyl Acetate	8.17	43	229268	20.365	ug/l #	91
44) Trichloroethene	8.84	130	149625	19.674	ug/l	97
45) 1,2-Dichloropropane	9.12	63	156173	20.178	ug/l	100
46) Dibromomethane	9.21	93	90406	20.120	ug/l	92
47) Bromodichloromethane	9.40	83	190248	20.091	ug/l	100
48) Methyl methacrylate	9.20	41	106089	20.487	ug/l	92
49) 1,4-Dioxane	9.20	88	28140	401.214	ug/l #	92
51) 4-Methyl-2-Pentanone	9.98	43	614002	106.135	ug/l	96
52) Toluene	10.16	92	343947	20.362	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	183885	19.958	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	218739	20.139	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	128315	20.340	ug/l	99
56) Ethyl methacrylate	10.43	69	150151	19.398	ug/l	90
57) 1,3-Dichloropropane	10.71	76	222540	20.878	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	340725	97.275	ug/l	94
59) 2-Hexanone	10.75	43	386017	102.595	ug/l	93
60) Dibromochloromethane	10.90	129	136627	19.488	ug/l	100
61) 1,2-Dibromoethane	11.01	107	121420	19.952	ug/l	99
64) Tetrachloroethene	10.63	164	141053	19.356	ug/l	96
65) Chlorobenzene	11.43	112	364177	20.051	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	133072	20.329	ug/l	99
67) Ethyl Benzene	11.51	91	623293	20.470	ug/l	98
68) m/p-Xylenes	11.62	106	470964	40.982	ug/l	95
69) o-Xylene	11.95	106	231999	20.546	ug/l	99
70) Styrene	11.96	104	363244	20.915	ug/l	98
71) Bromoform	12.13	173	89603	19.676	ug/l #	98
73) Isopropylbenzene	12.25	105	605781	20.948	ug/l	98
74) N-amyl acetate	12.07	43	166132	21.919	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	152651	21.109	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	124551m	20.900	ug/l	
77) Bromobenzene	12.53	156	147994	20.157	ug/l	89
78) n-propylbenzene	12.59	91	702438	21.359	ug/l	97
79) 2-Chlorotoluene	12.68	91	418340	21.175	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	508206	21.466	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	35554	18.856	ug/l #	87
82) 4-Chlorotoluene	12.77	91	408199	20.906	ug/l	96
83) tert-Butylbenzene	12.99	119	453811	21.673	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	510366	21.593	ug/l	98
85) sec-Butylbenzene	13.17	105	607123	21.229	ug/l	98
86) p-Isopropyltoluene	13.29	119	505139	20.894	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	255246	20.096	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	248435	20.161	ug/l	98
89) n-Butylbenzene	13.62	91	415328	20.384	ug/l	98
90) Hexachloroethane	13.87	117	93141	19.881	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	257915	20.977	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21555	21.092	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	108968	17.472	ug/l	98
94) Hexachlorobutadiene	15.01	225	84834	19.101	ug/l	99
95) Naphthalene	15.13	128	214399	16.851	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	111269	18.017	ug/l	98

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

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