

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040219\
 Data File : VN054898.D
 Acq On : 2 Apr 2019 13:39
 Operator : JC/SP
 Sample : VN0402WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0402WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/3/2019 10:43:59 AM

Quant Time: Apr 03 05:48:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	397832	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	673403	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	578174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	232888	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	288738	53.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.68%	
35) Dibromofluoromethane	7.59	113	231067	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
50) Toluene-d8	10.09	98	844308	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
62) 4-Bromofluorobenzene	12.40	95	275584	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	83224	20.682	ug/l	100
3) Chloromethane	2.06	50	114801	20.633	ug/l	98
4) Vinyl Chloride	2.19	62	105258	21.066	ug/l	99
5) Bromomethane	2.58	94	59122	21.277	ug/l	98
6) Chloroethane	2.71	64	59152	21.201	ug/l	94
7) Trichlorofluoromethane	3.03	101	135383	22.039	ug/l	98
8) Diethyl Ether	3.41	74	44954	22.726	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	71655	22.158	ug/l	92
10) Methyl Iodide	3.94	142	93192	21.051	ug/l #	89
11) Tert butyl alcohol	4.82	59	34911	124.943	ug/l #	70
12) 1,1-Dichloroethene	3.73	96	70226	22.456	ug/l #	74
13) Acrolein	3.61	56	26675	106.788	ug/l	94
14) Allyl chloride	4.32	41	164560	21.364	ug/l #	93
15) Acrylonitrile	5.00	53	176437	113.605	ug/l	99
16) Acetone	3.82	43	133070	104.054	ug/l #	78
17) Carbon Disulfide	4.04	76	198580	19.578	ug/l	100
18) Methyl Acetate	4.33	43	81757	24.068	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	245200	22.415	ug/l	95
20) Methylene Chloride	4.54	84	98012	21.727	ug/l #	83
21) trans-1,2-Dichloroethene	5.04	96	87448	21.290	ug/l	87
22) Diisopropyl ether	5.96	45	340846	22.373	ug/l #	94
23) Vinyl Acetate	5.90	43	1188838	112.135	ug/l #	91
24) 1,1-Dichloroethane	5.85	63	184209	22.667	ug/l	97
25) 2-Butanone	6.85	43	219794	116.269	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	118564	20.816	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	99872	21.523	ug/l	85
28) Bromochloromethane	7.19	49	93841	23.093	ug/l #	71
29) Tetrahydrofuran	7.22	42	145376	110.723	ug/l #	85
30) Chloroform	7.37	83	173833	22.432	ug/l	100
31) Cyclohexane	7.65	56	172252	22.113	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	142450	22.182	ug/l #	95
36) 1,1-Dichloropropene	7.79	75	127164	20.266	ug/l	96
37) Ethyl Acetate	6.94	43	98237	21.349	ug/l	97
38) Carbon Tetrachloride	7.77	117	123902	20.330	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	141414	20.499	ug/l	88
40) Benzene	8.04	78	393330	21.907	ug/l	100
41) Methacrylonitrile	7.18	41	52426	20.282	ug/l	94
42) 1,2-Dichloroethane	8.13	62	140838	21.969	ug/l	98
43) Isopropyl Acetate	8.17	43	165486	22.133	ug/l #	94
44) Trichloroethene	8.83	130	100206	21.500	ug/l	92
45) 1,2-Dichloropropane	9.12	63	110050	21.496	ug/l	98
46) Dibromomethane	9.21	93	63509	22.052	ug/l	87
47) Bromodichloromethane	9.40	83	133411	22.289	ug/l	96
48) Methyl methacrylate	9.20	41	81980	20.227	ug/l	91
49) 1,4-Dioxane	9.20	88	18773	466.822	ug/l #	89
51) 4-Methyl-2-Pentanone	9.99	43	467517	111.218	ug/l	93
52) Toluene	10.16	92	225899	21.144	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	115996	20.602	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	144384	21.468	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	84616	21.300	ug/l	93
56) Ethyl methacrylate	10.43	69	110346	21.175	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	150084	21.975	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	200893	96.141	ug/l	89
59) 2-Hexanone	10.75	43	283059	105.188	ug/l	92
60) Dibromochloromethane	10.90	129	87490	21.741	ug/l	99
61) 1,2-Dibromoethane	11.00	107	80532	21.213	ug/l	98
64) Tetrachloroethene	10.63	164	95934	21.623	ug/l	97
65) Chlorobenzene	11.43	112	236119	20.859	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	89282	21.072	ug/l	97
67) Ethyl Benzene	11.51	91	423743	20.744	ug/l	98
68) m/p-Xylenes	11.62	106	307717	40.706	ug/l	91
69) o-Xylene	11.95	106	151124	20.387	ug/l	91
70) Styrene	11.96	104	250283	21.117	ug/l	96
71) Bromoform	12.13	173	50991	20.542	ug/l #	98
73) Isopropylbenzene	12.25	105	413118	21.703	ug/l	97
74) N-amyl acetate	12.07	43	120735	20.359	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	105432	24.243	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	93935m	23.218	ug/l	
77) Bromobenzene	12.53	156	98617	21.466	ug/l	85
78) n-propylbenzene	12.59	91	447738	21.400	ug/l	96
79) 2-Chlorotoluene	12.67	91	277587	21.446	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	326439	20.900	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20258	19.477	ug/l #	78
82) 4-Chlorotoluene	12.77	91	259797	20.665	ug/l	96
83) tert-Butylbenzene	12.99	119	286670	22.542	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	324017	21.775	ug/l	98
85) sec-Butylbenzene	13.17	105	362857	21.386	ug/l	98
86) p-Isopropyltoluene	13.29	119	314346	21.006	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	157791	20.515	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	150636	19.968	ug/l	97
89) n-Butylbenzene	13.61	91	247243	20.250	ug/l	96
90) Hexachloroethane	13.87	117	52170	20.533	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	157777	20.325	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14625	22.474	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	68968	18.429	ug/l	99
94) Hexachlorobutadiene	15.01	225	49687	21.207	ug/l	99
95) Naphthalene	15.13	128	157673	18.785	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	72426	19.163	ug/l	97

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

