

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032619\
 Data File : VN054688.D
 Acq On : 26 Mar 2019 10:35
 Operator : JC/SP
 Sample : VN0326WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0326WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 9:10:09 AM

Quant Time: Mar 27 04:19:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	452919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	728599	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	630503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	268124	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	309456	54.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.86%	
35) Dibromofluoromethane	7.59	113	244376	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	
50) Toluene-d8	10.09	98	891756	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
62) 4-Bromofluorobenzene	12.40	95	298255	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	90090	20.807	ug/l	96
3) Chloromethane	2.06	50	127459	21.636	ug/l	99
4) Vinyl Chloride	2.19	62	114162	19.302	ug/l	99
5) Bromomethane	2.58	94	67089	17.542	ug/l	99
6) Chloroethane	2.71	64	65271	18.399	ug/l	96
7) Trichlorofluoromethane	3.03	101	149106	20.759	ug/l	99
8) Diethyl Ether	3.41	74	48902	17.702	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.75	101	77022	18.246	ug/l	92
10) Methyl Iodide	3.95	142	108106	17.409	ug/l #	88
11) Tert butyl alcohol	4.82	59	35276	103.427	ug/l #	70
12) 1,1-Dichloroethene	3.73	96	76429	17.495	ug/l #	74
13) Acrolein	3.61	56	50358	106.990	ug/l	99
14) Allyl chloride	4.32	41	181119	22.017	ug/l #	91
15) Acrylonitrile	5.00	53	193582	113.973	ug/l	100
16) Acetone	3.82	43	180557	106.602	ug/l #	84
17) Carbon Disulfide	4.04	76	212182	18.127	ug/l	100
18) Methyl Acetate	4.33	43	89701	23.761	ug/l #	90
19) Methyl tert-butyl Ether	5.05	73	275072	21.575	ug/l	93
20) Methylene Chloride	4.54	84	105886	21.208	ug/l #	82
21) trans-1,2-Dichloroethene	5.04	96	96177	21.560	ug/l	89
22) Diisopropyl ether	5.96	45	377367	23.257	ug/l #	93
23) Vinyl Acetate	5.90	43	1307907	114.127	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	201259	23.036	ug/l	98
25) 2-Butanone	6.85	43	256873	118.392	ug/l #	87
26) 2,2-Dichloropropane	6.83	77	141101	22.656	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	112952	21.229	ug/l	88
28) Bromochloromethane	7.19	49	103496	24.067	ug/l #	73
29) Tetrahydrofuran	7.22	42	161079	114.404	ug/l #	84
30) Chloroform	7.37	83	191137	22.418	ug/l	100
31) Cyclohexane	7.65	56	185033	21.026	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	157856	22.441	ug/l	94
36) 1,1-Dichloropropene	7.79	75	141193	20.726	ug/l	95
37) Ethyl Acetate	6.94	43	107428	22.172	ug/l #	91
38) Carbon Tetrachloride	7.77	117	134589	20.330	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	154189	19.786	ug/l	89
40) Benzene	8.04	78	412886	21.195	ug/l	97
41) Methacrylonitrile	7.18	41	64884	21.958	ug/l #	84
42) 1,2-Dichloroethane	8.12	62	155197	21.876	ug/l	97
43) Isopropyl Acetate	8.17	43	178766	21.846	ug/l #	94
44) Trichloroethene	8.83	130	111774	20.638	ug/l	95
45) 1,2-Dichloropropane	9.12	63	121464	23.220	ug/l	99
46) Dibromomethane	9.21	93	68828	22.056	ug/l	86
47) Bromodichloromethane	9.40	83	142935	22.070	ug/l	98
48) Methyl methacrylate	9.20	41	92844	20.904	ug/l	88
49) 1,4-Dioxane	9.21	88	20072	404.251	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	519984	114.660	ug/l	93
52) Toluene	10.16	92	249682	20.839	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	125999	19.851	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	158485	21.342	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	93686	21.753	ug/l	95
56) Ethyl methacrylate	10.43	69	119097	20.602	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	163543	21.844	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	215296	90.446	ug/l	89
59) 2-Hexanone	10.75	43	329457	111.219	ug/l	91
60) Dibromochloromethane	10.90	129	96458	21.047	ug/l	99
61) 1,2-Dibromoethane	11.00	107	89776	21.085	ug/l	99
64) Tetrachloroethene	10.63	164	105315	20.138	ug/l	96
65) Chlorobenzene	11.43	112	264678	20.640	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	99515	21.620	ug/l	98
67) Ethyl Benzene	11.51	91	470321	20.763	ug/l	96
68) m/p-Xylenes	11.62	106	355604	41.445	ug/l	97
69) o-Xylene	11.95	106	171642	20.484	ug/l	95
70) Styrene	11.96	104	280452	20.610	ug/l	96
71) Bromoform	12.13	173	56750	19.310	ug/l #	99
73) Isopropylbenzene	12.25	105	454678	21.044	ug/l	98
74) N-amyl acetate	12.07	43	140229	22.572	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	110949	22.495	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	101368m	23.825	ug/l	
77) Bromobenzene	12.53	156	112201	20.939	ug/l	86
78) n-propylbenzene	12.59	91	505065	21.558	ug/l	97
79) 2-Chlorotoluene	12.67	91	306751	20.996	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	375692	21.216	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	22312	20.103	ug/l #	78
82) 4-Chlorotoluene	12.77	91	300767	21.238	ug/l	96
83) tert-Butylbenzene	12.99	119	329051	21.348	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	371004	21.352	ug/l	97
85) sec-Butylbenzene	13.17	105	411030	21.391	ug/l	97
86) p-Isopropyltoluene	13.29	119	362150	21.067	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	185688	20.911	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	174424	20.188	ug/l	96
89) n-Butylbenzene	13.61	91	283492	21.090	ug/l	97
90) Hexachloroethane	13.87	117	57104	21.400	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	183173	21.296	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16996	23.494	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	82354	19.207	ug/l	99
94) Hexachlorobutadiene	15.01	225	58875	23.106	ug/l	99
95) Naphthalene	15.13	128	185057	19.350	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	83531	19.574	ug/l	98

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

