

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054556.D
 Acq On : 22 Mar 2019 14:25
 Operator : JC/SP
 Sample : VN0322WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 3:11:12 PM

Quant Time: Mar 23 03:39:51 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	463874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	765464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	648160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	270192	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	315603	54.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.40%	
35) Dibromofluoromethane	7.59	113	250885	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
50) Toluene-d8	10.09	98	921752	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
62) 4-Bromofluorobenzene	12.40	95	306370	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	99976	22.545	ug/l	99
3) Chloromethane	2.06	50	136489	22.622	ug/l	98
4) Vinyl Chloride	2.19	62	130109	21.478	ug/l	100
5) Bromomethane	2.58	94	74824	19.102	ug/l	97
6) Chloroethane	2.71	64	72868	20.055	ug/l	100
7) Trichlorofluoromethane	3.02	101	155210	21.098	ug/l	100
8) Diethyl Ether	3.41	74	54465	19.251	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	3.75	101	82679	19.123	ug/l	94
10) Methyl Iodide	3.94	142	116177	18.267	ug/l	92
11) Tert butyl alcohol	4.82	59	39105	111.946	ug/l #	92
12) 1,1-Dichloroethene	3.73	96	82013	18.330	ug/l #	73
13) Acrolein	3.61	56	46966	97.427	ug/l	96
14) Allyl chloride	4.32	41	185193	21.981	ug/l #	93
15) Acrylonitrile	5.00	53	208249	119.712	ug/l	99
16) Acetone	3.82	43	155184	89.458	ug/l #	84
17) Carbon Disulfide	4.04	76	221288	18.459	ug/l	98
18) Methyl Acetate	4.33	43	93408	24.158	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	296938	22.740	ug/l	95
20) Methylene Chloride	4.55	84	111272	21.760	ug/l #	80
21) trans-1,2-Dichloroethene	5.03	96	100524	22.003	ug/l	87
22) Diisopropyl ether	5.96	45	395384	23.792	ug/l #	94
23) Vinyl Acetate	5.90	43	1371737	116.870	ug/l #	94
24) 1,1-Dichloroethane	5.85	63	206140	23.037	ug/l	97
25) 2-Butanone	6.85	43	258085	116.142	ug/l	89
26) 2,2-Dichloropropane	6.82	77	130952	20.530	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	117806	21.618	ug/l	87
28) Bromochloromethane	7.19	49	97103	22.047	ug/l #	71
29) Tetrahydrofuran	7.22	42	177515	123.100	ug/l #	84
30) Chloroform	7.37	83	199412	22.836	ug/l	98
31) Cyclohexane	7.65	56	198291	22.090	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	160533	22.283	ug/l	95
36) 1,1-Dichloropropene	7.79	75	148172	20.703	ug/l	96
37) Ethyl Acetate	6.94	43	116223	22.832	ug/l	96
38) Carbon Tetrachloride	7.77	117	138178	19.867	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	163506	19.971	ug/l	90
40) Benzene	8.04	78	444119	21.700	ug/l	98
41) Methacrylonitrile	7.18	41	68968	22.216	ug/l #	88
42) 1,2-Dichloroethane	8.13	62	159393	21.385	ug/l	98
43) Isopropyl Acetate	8.17	43	191669	22.295	ug/l #	94
44) Trichloroethene	8.84	130	114813	20.178	ug/l	91
45) 1,2-Dichloropropane	9.12	63	123730	22.514	ug/l	97
46) Dibromomethane	9.21	93	71332	21.757	ug/l	90
47) Bromodichloromethane	9.40	83	140547	20.656	ug/l	99
48) Methyl methacrylate	9.20	41	98252	21.057	ug/l	89
49) 1,4-Dioxane	9.20	88	22243	426.401	ug/l #	85
51) 4-Methyl-2-Pentanone	9.99	43	551853	115.826	ug/l	93
52) Toluene	10.16	92	262114	20.823	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	128051	19.276	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	162525	20.832	ug/l #	88
55) 1,1,2-Trichloroethane	10.56	97	99435	21.976	ug/l	99
56) Ethyl methacrylate	10.43	69	129431	21.312	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	172499	21.931	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	249992	99.964	ug/l	90
59) 2-Hexanone	10.75	43	339729	109.164	ug/l	92
60) Dibromochloromethane	10.90	129	96626	20.068	ug/l	98
61) 1,2-Dibromoethane	11.00	107	94692	21.168	ug/l	100
64) Tetrachloroethene	10.63	164	109804	20.424	ug/l	96
65) Chlorobenzene	11.43	112	274416	20.816	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	99866	21.106	ug/l	97
67) Ethyl Benzene	11.51	91	493128	21.176	ug/l	98
68) m/p-Xylenes	11.62	106	365697	41.461	ug/l	96
69) o-Xylene	11.95	106	181135	21.028	ug/l	99
70) Styrene	11.96	104	292244	20.892	ug/l	97
71) Bromoform	12.13	173	55548	18.492	ug/l #	99
73) Isopropylbenzene	12.25	105	473301	21.738	ug/l	98
74) N-amyl acetate	12.07	43	148459	23.714	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	114706	23.079	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	97694m	22.786	ug/l	
77) Bromobenzene	12.53	156	114560	21.215	ug/l	86
78) n-propylbenzene	12.59	91	509392	21.576	ug/l	97
79) 2-Chlorotoluene	12.67	91	316188	21.476	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	378832	21.230	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21926	19.683	ug/l #	73
82) 4-Chlorotoluene	12.77	91	305882	21.434	ug/l	95
83) tert-Butylbenzene	12.99	119	328080	21.122	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	372933	21.299	ug/l	99
85) sec-Butylbenzene	13.17	105	410798	21.216	ug/l	99
86) p-Isopropyltoluene	13.29	119	367410	21.209	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	187949	21.003	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	179799	20.651	ug/l	98
89) n-Butylbenzene	13.61	91	285092	21.047	ug/l	96
90) Hexachloroethane	13.88	117	53497	19.895	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	187835	21.671	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16507	22.643	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	87805	20.322	ug/l	98
94) Hexachlorobutadiene	15.01	225	55455	21.427	ug/l	99
95) Naphthalene	15.13	128	202198	20.980	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	87276	20.295	ug/l	97

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

