

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032019\
 Data File : VN054464.D
 Acq On : 20 Mar 2019 14:55
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN032019

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:17:30 PM

Quant Time: Mar 22 04:42:13 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	7.66	168	546211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	860157	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	750914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	350453	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	338185	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
35) Dibromofluoromethane	7.59	113	277693	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
50) Toluene-d8	10.09	98	1047763	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.40	95	359833	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	271898	52.071	ug/l	100
3) Chloromethane	2.06	50	345297	48.603	ug/l	98
4) Vinyl Chloride	2.19	62	361798	50.723	ug/l	98
5) Bromomethane	2.57	94	220239	47.750	ug/l	97
6) Chloroethane	2.71	64	207380	48.473	ug/l	98
7) Trichlorofluoromethane	3.02	101	446837	51.584	ug/l	100
8) Diethyl Ether	3.41	74	157372	47.238	ug/l	74
9) 1,1,2-Trichlorotrifluoroet	3.75	101	258391	50.756	ug/l	96
10) Methyl Iodide	3.94	142	373178	49.832	ug/l	95
11) Tert butyl alcohol	4.81	59	89108	216.637	ug/l	100
12) 1,1-Dichloroethene	3.73	96	259724	49.298	ug/l	85
13) Acrolein	3.60	56	138442	243.895	ug/l	100
14) Allyl chloride	4.32	41	483867	48.773	ug/l #	93
15) Acrylonitrile	4.99	53	471410	230.141	ug/l	99
16) Acetone	3.82	43	425356	208.241	ug/l	89
17) Carbon Disulfide	4.04	76	697256	49.394	ug/l	99
18) Methyl Acetate	4.33	43	205882	45.221	ug/l	90
19) Methyl tert-butyl Ether	5.05	73	732648	47.650	ug/l	97
20) Methylene Chloride	4.55	84	286391	47.564	ug/l #	85
21) trans-1,2-Dichloroethene	5.03	96	271823	50.528	ug/l	86
22) Diisopropyl ether	5.96	45	979011	50.030	ug/l #	94
23) Vinyl Acetate	5.90	43	3488841	252.438	ug/l #	93
24) 1,1-Dichloroethane	5.84	63	521205	49.468	ug/l	98
25) 2-Butanone	6.84	43	609052	232.766	ug/l	91
26) 2,2-Dichloropropane	6.82	77	382669	50.949	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	311178	48.495	ug/l	88
28) Bromochloromethane	7.19	49	258534	49.850	ug/l #	79
29) Tetrahydrofuran	7.22	42	399447	235.246	ug/l #	86
30) Chloroform	7.37	83	509903	49.590	ug/l	99
31) Cyclohexane	7.65	56	525308	52.110	ug/l	89
32) 1,1,1-Trichloroethane	7.57	97	440167	51.887	ug/l	96
36) 1,1-Dichloropropene	7.79	75	408840	50.835	ug/l	96
37) Ethyl Acetate	6.93	43	265589	46.431	ug/l	96
38) Carbon Tetrachloride	7.77	117	388256	49.677	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	478773	52.042	ug/l	90
40) Benzene	8.04	78	1159018	50.396	ug/l	100
41) Methacrylonitrile	7.17	41	151793	43.513	ug/l	91
42) 1,2-Dichloroethane	8.12	62	408543	48.779	ug/l	97
43) Isopropyl Acetate	8.17	43	470437	48.697	ug/l #	93
44) Trichloroethene	8.83	130	318465	49.807	ug/l	95
45) 1,2-Dichloropropane	9.12	63	314067	50.857	ug/l	98
46) Dibromomethane	9.21	93	183530	49.816	ug/l	91
47) Bromodichloromethane	9.40	83	389787	50.980	ug/l	97
48) Methyl methacrylate	9.20	41	249254	47.537	ug/l #	87
49) 1,4-Dioxane	9.20	88	54115	923.186	ug/l #	89
51) 4-Methyl-2-Pentanone	9.99	43	1273270	237.822	ug/l	94
52) Toluene	10.16	92	709315	50.146	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	377288	46.922	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	460439	52.521	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	249025	48.977	ug/l	98
56) Ethyl methacrylate	10.43	69	334449	49.007	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	439883	49.769	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	694312	247.070	ug/l	91
59) 2-Hexanone	10.75	43	811893	232.162	ug/l	92
60) Dibromochloromethane	10.90	129	286199	52.897	ug/l	99
61) 1,2-Dibromoethane	11.00	107	248515	49.439	ug/l	99
64) Tetrachloroethene	10.63	164	309538	49.697	ug/l	97
65) Chlorobenzene	11.43	112	763947	50.020	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	284213	51.846	ug/l	99
67) Ethyl Benzene	11.51	91	1359799	50.404	ug/l	98
68) m/p-Xylenes	11.62	106	1039439	101.720	ug/l	98
69) o-Xylene	11.95	106	496360	49.738	ug/l	97
70) Styrene	11.96	104	835138	51.532	ug/l	98
71) Bromoform	12.13	173	171651	45.622	ug/l #	99
73) Isopropylbenzene	12.25	105	1329044	47.062	ug/l	99
74) N-amyl acetate	12.07	43	386964	47.655	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	298057	46.235	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	269177m	48.403	ug/l	
77) Bromobenzene	12.53	156	331996	47.401	ug/l	91
78) n-propylbenzene	12.59	91	1496942	48.884	ug/l	98
79) 2-Chlorotoluene	12.67	91	886990	46.449	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	1123789	48.554	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	67385	42.294	ug/l #	83
82) 4-Chlorotoluene	12.77	91	896677	48.443	ug/l	97
83) tert-Butylbenzene	12.99	119	973311	48.311	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1116324	49.154	ug/l	97
85) sec-Butylbenzene	13.17	105	1230854	49.009	ug/l	97
86) p-Isopropyltoluene	13.29	119	1116877	49.708	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	571653	49.252	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	552330	48.910	ug/l	98
89) n-Butylbenzene	13.61	91	923084	52.540	ug/l	98
90) Hexachloroethane	13.87	117	177364	50.854	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	546112	48.577	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44705	47.279	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	293160	52.310	ug/l	99
94) Hexachlorobutadiene	15.01	225	172953	55.185	ug/l	99
95) Naphthalene	15.13	128	601875	48.148	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	280809	50.344	ug/l	100

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

