

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112719\
 Data File : VN059427.D
 Acq On : 27 Nov 2019 17:19
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112719

Manual Integrations
 APPROVED

apatel
 12/2/2019 10:09:08 AM

Quant Time: Nov 28 02:15:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112719W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 16:56:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	422760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	665134	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	589724	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	276655	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	243614	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
35) Dibromofluoromethane	7.57	113	200115	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	10.08	98	796098	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
62) 4-Bromofluorobenzene	12.40	95	282244	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	239451	48.123	ug/l	99
3) Chloromethane	2.04	50	275682	45.358	ug/l	100
4) Vinyl Chloride	2.17	62	269776	46.189	ug/l	100
5) Bromomethane	2.54	94	158737	45.140	ug/l	99
6) Chloroethane	2.68	64	152795	46.658	ug/l	98
7) Trichlorofluoromethane	3.00	101	318199	45.739	ug/l	96
8) Diethyl Ether	3.38	74	132984	46.969	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	198794	46.397	ug/l	99
10) Methyl Iodide	3.93	142	267528	47.971	ug/l	100
11) Tert butyl alcohol	4.75	59	193296	225.315	ug/l #	84
12) 1,1-Dichloroethene	3.71	96	195434	46.576	ug/l	99
13) Acrolein	3.58	56	139780	166.911	ug/l	100
14) Allyl chloride	4.29	41	362335	46.559	ug/l	99
15) Acrylonitrile	4.95	53	561246	234.779	ug/l	100
16) Acetone	3.79	43	575938	244.122	ug/l	99
17) Carbon Disulfide	4.03	76	635697	44.148	ug/l	99
18) Methyl Acetate	4.29	43	278599	43.364	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	649824	48.059	ug/l	100
20) Methylene Chloride	4.52	84	217517	45.375	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	213527	46.707	ug/l	98
22) Diisopropyl ether	5.92	45	692294	47.870	ug/l	98
23) Vinyl Acetate	5.86	43	2880056	246.850	ug/l	100
24) 1,1-Dichloroethane	5.82	63	394335	47.392	ug/l	100
25) 2-Butanone	6.80	43	777931	239.691	ug/l	100
26) 2,2-Dichloropropane	6.80	77	334872	47.291	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	236387	47.278	ug/l	100
28) Bromochloromethane	7.17	49	142808	40.367	ug/l	100
29) Tetrahydrofuran	7.18	42	495341	229.478	ug/l	99
30) Chloroform	7.35	83	369177	44.090	ug/l	100
31) Cyclohexane	7.63	56	375047	44.962	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	322505	47.099	ug/l	100
36) 1,1-Dichloropropene	7.77	75	299572	46.836	ug/l	100
37) Ethyl Acetate	6.90	43	304297	44.966	ug/l	99
38) Carbon Tetrachloride	7.75	117	286419	47.449	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	372257	48.647	ug/l	98
40) Benzene	8.02	78	886166	46.661	ug/l	100
41) Methacrylonitrile	7.15	41	138205m	43.859	ug/l	
42) 1,2-Dichloroethane	8.10	62	284235	47.199	ug/l	100
43) Isopropyl Acetate	8.14	43	484498	47.127	ug/l	100
44) Trichloroethene	8.82	130	224890	46.441	ug/l	98
45) 1,2-Dichloropropane	9.10	63	232929	46.890	ug/l	99
46) Dibromomethane	9.19	93	143903	46.942	ug/l	99
47) Bromodichloromethane	9.39	83	292272	47.139	ug/l	98
48) Methyl methacrylate	9.18	41	214073	46.934	ug/l	98
49) 1,4-Dioxane	9.19	88	69510	1043.467	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1444423	242.224	ug/l	100
52) Toluene	10.15	92	537827	47.402	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	340150	47.744	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	373514	48.566	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	206794	46.565	ug/l	99
56) Ethyl methacrylate	10.42	69	325601	51.966	ug/l	100
57) 1,3-Dichloropropane	10.70	76	359289	46.810	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	470258	247.140	ug/l	99
59) 2-Hexanone	10.74	43	1079071	244.034	ug/l	100
60) Dibromochloromethane	10.90	129	226491	48.859	ug/l	100
61) 1,2-Dibromoethane	11.00	107	216227	47.515	ug/l	99
64) Tetrachloroethene	10.63	164	204426	46.866	ug/l	99
65) Chlorobenzene	11.43	112	559192	46.839	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	206162	47.619	ug/l	99
67) Ethyl Benzene	11.51	91	1018619	48.575	ug/l	100
68) m/p-Xylenes	11.62	106	758370	96.863	ug/l	99
69) o-Xylene	11.95	106	364165	48.500	ug/l	99
70) Styrene	11.96	104	598410	52.815	ug/l	99
71) Bromoform	12.13	173	164139	49.790	ug/l #	99
73) Isopropylbenzene	12.25	105	977858	47.712	ug/l	100
74) N-amyl acetate	12.07	43	387586	53.190	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	304764	45.599	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	276476m	44.175	ug/l	
77) Bromobenzene	12.53	156	235805	46.994	ug/l	100
78) n-propylbenzene	12.59	91	1152949	48.817	ug/l	100
79) 2-Chlorotoluene	12.68	91	667589	47.279	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	828211	48.074	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	113985	46.796	ug/l	97
82) 4-Chlorotoluene	12.78	91	692957	47.698	ug/l	99
83) tert-Butylbenzene	13.00	119	696028	47.051	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	820548	48.621	ug/l	100
85) sec-Butylbenzene	13.17	105	947637	48.239	ug/l	100
86) p-Isopropyltoluene	13.29	119	868033	48.877	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	422459	47.507	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	417115	46.722	ug/l	100
89) n-Butylbenzene	13.62	91	755597	48.671	ug/l	99
90) Hexachloroethane	13.88	117	157546	46.413	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	407216	46.734	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	60450	52.469	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	251061	46.352	ug/l	100
94) Hexachlorobutadiene	15.01	225	145314	43.778	ug/l	99
95) Naphthalene	15.13	128	642531	52.849	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	247238	53.349	ug/l	99

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

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