

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112719\
 Data File : VN059420.D
 Acq On : 27 Nov 2019 13:23
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 12/2/2019 10:08:47 AM

Quant Time: Nov 27 16:41:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112719W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 16:27:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	357495	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	561588	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	502173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	233580	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	82258	19.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.28%	
35) Dibromofluoromethane	7.57	113	65588	19.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.34%	
50) Toluene-d8	10.08	98	261434	19.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.36%	
62) 4-Bromofluorobenzene	12.40	95	90218	19.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	93678	22.264	ug/l	99
3) Chloromethane	2.04	50	112470	21.883	ug/l	100
4) Vinyl Chloride	2.17	62	105746	21.411	ug/l	99
5) Bromomethane	2.55	94	61236	20.593	ug/l	97
6) Chloroethane	2.69	64	59417	21.456	ug/l	99
7) Trichlorofluoromethane	3.00	101	125674	21.363	ug/l	96
8) Diethyl Ether	3.39	74	49288	20.586	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	75083	20.723	ug/l	99
10) Methyl Iodide	3.93	142	97669	20.711	ug/l	99
11) Tert butyl alcohol	4.75	59	75211	103.674	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	75301	21.222	ug/l	99
13) Acrolein	3.58	56	65479	92.463	ug/l	99
14) Allyl chloride	4.30	41	138461	21.040	ug/l	99
15) Acrylonitrile	4.95	53	221136	109.393	ug/l	100
16) Acetone	3.79	43	218426	109.486	ug/l	99
17) Carbon Disulfide	4.03	76	245855	20.191	ug/l	100
18) Methyl Acetate	4.30	43	112564	20.719	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	244497	21.383	ug/l	98
20) Methylene Chloride	4.52	84	85810	21.168	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	82010	21.214	ug/l	98
22) Diisopropyl ether	5.92	45	263307	21.531	ug/l	96
23) Vinyl Acetate	5.87	43	1091611	110.643	ug/l	99
24) 1,1-Dichloroethane	5.82	63	151678	21.557	ug/l	99
25) 2-Butanone	6.81	43	301268	109.771	ug/l	100
26) 2,2-Dichloropropane	6.80	77	127474	21.288	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	89793	21.237	ug/l	99
28) Bromochloromethane	7.17	49	60152	24.742	ug/l	100
29) Tetrahydrofuran	7.19	42	198761	108.891	ug/l	99
30) Chloroform	7.35	83	145311	20.523	ug/l	100
31) Cyclohexane	7.63	56	144449	20.479	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	123651	21.355	ug/l	100
36) 1,1-Dichloropropene	7.77	75	111826	20.707	ug/l	99
37) Ethyl Acetate	6.90	43	121496	21.264	ug/l	100
38) Carbon Tetrachloride	7.75	117	107577	21.107	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	134110	20.757	ug/l	99
40) Benzene	8.02	78	338487	21.109	ug/l	99
41) Methacrylonitrile	7.16	41	56924m	21.100	ug/l	
42) 1,2-Dichloroethane	8.11	62	108278	21.296	ug/l	99
43) Isopropyl Acetate	8.15	43	185405	21.360	ug/l	99
44) Trichloroethene	8.82	130	86072	21.052	ug/l	100
45) 1,2-Dichloropropane	9.10	63	89071	21.237	ug/l	99
46) Dibromomethane	9.19	93	55143	21.305	ug/l	99
47) Bromodichloromethane	9.39	83	109841	20.982	ug/l	99
48) Methyl methacrylate	9.19	41	80572	20.922	ug/l	99
49) 1,4-Dioxane	9.19	88	22846	406.193	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	571853	113.579	ug/l	99
52) Toluene	10.15	92	199880	20.865	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	126933	21.102	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	137896	21.236	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	80980	21.597	ug/l	98
56) Ethyl methacrylate	10.42	69	116164	21.239	ug/l	98
57) 1,3-Dichloropropane	10.70	76	137911	21.280	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	199392	124.110	ug/l	99
59) 2-Hexanone	10.75	43	419583	112.385	ug/l	99
60) Dibromochloromethane	10.90	129	83524	21.340	ug/l	100
61) 1,2-Dibromoethane	11.00	107	81649	21.250	ug/l	100
64) Tetrachloroethene	10.63	164	75810	20.410	ug/l	98
65) Chlorobenzene	11.43	112	209385	20.596	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	77357	20.983	ug/l	98
67) Ethyl Benzene	11.51	91	379678	21.262	ug/l	99
68) m/p-Xylenes	11.62	106	284612	42.690	ug/l	99
69) o-Xylene	11.95	106	134020	20.961	ug/l	98
70) Styrene	11.96	104	213073	21.257	ug/l	99
71) Bromoform	12.13	173	58970	21.007	ug/l #	98
73) Isopropylbenzene	12.25	105	360322	20.823	ug/l	99
74) N-amyl acetate	12.07	43	139382	21.419	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	119604	21.195	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	107885m	19.994	ug/l	
77) Bromobenzene	12.53	156	87594	20.676	ug/l	98
78) n-propylbenzene	12.59	91	416699	20.897	ug/l	100
79) 2-Chlorotoluene	12.68	91	247181	20.734	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	306794	21.092	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	41838	20.344	ug/l	98
82) 4-Chlorotoluene	12.78	91	250210	20.378	ug/l	99
83) tert-Butylbenzene	12.99	119	259234	20.756	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	299940	21.050	ug/l	100
85) sec-Butylbenzene	13.17	105	346778	20.908	ug/l	100
86) p-Isopropyltoluene	13.29	119	310162	20.685	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	154653	20.598	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	152722	20.261	ug/l	99
89) n-Butylbenzene	13.62	91	266094	20.301	ug/l	100
90) Hexachloroethane	13.88	117	57971	20.228	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	151544	20.599	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24401	19.041	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	84611	18.502	ug/l	97
94) Hexachlorobutadiene	15.01	225	55996	19.981	ug/l	100
95) Naphthalene	15.13	128	222926	17.253	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	87002	17.861	ug/l	99

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

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