

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120319\
 Data File : VN059468.D
 Acq On : 3 Dec 2019 14:03
 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
 12/4/2019 9:22:04 AM

Quant Time: Dec 03 15:14:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 14:48:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	344522	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	543580	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	488840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	223945	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	82235	20.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.16%	
35) Dibromofluoromethane	7.57	113	63825	19.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.36%	
50) Toluene-d8	10.08	98	255247	19.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.46%	
62) 4-Bromofluorobenzene	12.40	95	88169	19.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	72023	18.185	ug/l	95
3) Chloromethane	2.04	50	97521	19.689	ug/l	99
4) Vinyl Chloride	2.17	62	56788	12.835	ug/l	98
5) Bromomethane	2.54	94	33954	12.827	ug/l	96
6) Chloroethane	2.68	64	32018	12.770	ug/l	94
7) Trichlorofluoromethane	3.00	101	70345	13.191	ug/l	94
8) Diethyl Ether	3.39	74	45880	19.772	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	70296	20.081	ug/l	99
10) Methyl Iodide	3.93	142	90450	19.738	ug/l	98
11) Tert butyl alcohol	4.75	59	74864	104.542	ug/l	99
12) 1,1-Dichloroethene	3.72	96	68664	20.019	ug/l	97
13) Acrolein	3.58	56	63647	93.658	ug/l	97
14) Allyl chloride	4.30	41	133450	20.792	ug/l	99
15) Acrylonitrile	4.95	53	214396	107.380	ug/l	100
16) Acetone	3.79	43	247820	125.431	ug/l	100
17) Carbon Disulfide	4.03	76	225324	19.107	ug/l	99
18) Methyl Acetate	4.30	43	110920	20.680	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	237887	21.278	ug/l	100
20) Methylene Chloride	4.52	84	82743	20.912	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	76773	20.488	ug/l	98
22) Diisopropyl ether	5.92	45	257222	21.476	ug/l	97
23) Vinyl Acetate	5.87	43	1057485	108.888	ug/l	99
24) 1,1-Dichloroethane	5.82	63	147027	21.387	ug/l	99
25) 2-Butanone	6.81	43	307127	112.740	ug/l	99
26) 2,2-Dichloropropane	6.80	77	124470	21.247	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	85223	20.728	ug/l	99
28) Bromochloromethane	7.17	49	58981	25.164	ug/l	100
29) Tetrahydrofuran	7.18	42	194753	107.498	ug/l	100
30) Chloroform	7.35	83	139127	20.137	ug/l	97
31) Cyclohexane	7.63	56	136995	19.885	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	121099	21.414	ug/l	99
36) 1,1-Dichloropropene	7.77	75	107743	20.382	ug/l	99
37) Ethyl Acetate	6.90	43	119037	20.885	ug/l	98
38) Carbon Tetrachloride	7.75	117	105344	21.009	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	129813	20.512	ug/l	96
40) Benzene	8.02	78	324634	20.653	ug/l	98
41) Methacrylonitrile	7.16	41	51990m	19.649	ug/l	
42) 1,2-Dichloroethane	8.10	62	109455	21.795	ug/l	100
43) Isopropyl Acetate	8.15	43	182691	21.198	ug/l	100
44) Trichloroethene	8.82	130	82485	20.619	ug/l	98
45) 1,2-Dichloropropane	9.10	63	85899	20.885	ug/l	99
46) Dibromomethane	9.19	93	54451	21.418	ug/l	99
47) Bromodichloromethane	9.39	83	107143	20.831	ug/l	99
48) Methyl methacrylate	9.18	41	78542	20.490	ug/l	97
49) 1,4-Dioxane	9.19	88	22366	411.303	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	561011	111.386	ug/l	99
52) Toluene	10.15	92	194936	20.734	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	123531	20.880	ug/l	96
54) cis-1,3-Dichloropropene	9.83	75	134230	21.098	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	77050	20.852	ug/l	99
56) Ethyl methacrylate	10.42	69	110577	20.493	ug/l	99
57) 1,3-Dichloropropane	10.70	76	133307	20.950	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	171171	110.027	ug/l	100
59) 2-Hexanone	10.74	43	419389	112.004	ug/l	99
60) Dibromochloromethane	10.90	129	81834	21.299	ug/l	99
61) 1,2-Dibromoethane	11.00	107	78864	20.829	ug/l	100
64) Tetrachloroethene	10.62	164	80038	21.844	ug/l	99
65) Chlorobenzene	11.43	112	205205	20.509	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	75595	20.809	ug/l	99
67) Ethyl Benzene	11.51	91	365551	20.745	ug/l	100
68) m/p-Xylenes	11.62	106	272471	41.317	ug/l	98
69) o-Xylene	11.95	106	129300	20.529	ug/l	99
70) Styrene	11.96	104	204791	20.734	ug/l	99
71) Bromoform	12.13	173	57880	20.820	ug/l #	100
73) Isopropylbenzene	12.25	105	349016	20.778	ug/l	99
74) N-amyl acetate	12.07	43	133475	20.809	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	112118	20.337	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	105328m	20.239	ug/l	
77) Bromobenzene	12.53	156	84887	20.650	ug/l	100
78) n-propylbenzene	12.59	91	403923	20.816	ug/l	99
79) 2-Chlorotoluene	12.68	91	240916	20.786	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	292501	20.714	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	39959	19.820	ug/l	99
82) 4-Chlorotoluene	12.77	91	243055	20.358	ug/l	99
83) tert-Butylbenzene	12.99	119	247656	20.366	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	285240	20.612	ug/l	99
85) sec-Butylbenzene	13.17	105	335518	20.805	ug/l	100
86) p-Isopropyltoluene	13.29	119	297366	20.414	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	149203	20.492	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	147490	20.149	ug/l	99
89) n-Butylbenzene	13.62	91	256046	20.077	ug/l	99
90) Hexachloroethane	13.88	117	56426	20.223	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	145345	20.371	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22694	18.124	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	79443	18.086	ug/l	99
94) Hexachlorobutadiene	15.01	225	52656	19.369	ug/l	99
95) Naphthalene	15.13	128	205130	16.390	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	79278	16.961	ug/l	100

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

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