

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120319\
 Data File : VN059470.D
 Acq On : 3 Dec 2019 14:47
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 12/4/2019 9:22:10 AM

Quant Time: Dec 03 15:11:10 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	361083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	569310	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	512696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	242854	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	448417	104.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.96%	
35) Dibromofluoromethane	7.57	113	359848	103.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.50%	
50) Toluene-d8	10.08	98	1417667	101.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.94%	
62) 4-Bromofluorobenzene	12.40	95	506754	104.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	375374	90.431	ug/l	99
3) Chloromethane	2.04	50	502346	96.770	ug/l	99
4) Vinyl Chloride	2.17	62	306849	66.170	ug/l	99
5) Bromomethane	2.53	94	192603	69.423	ug/l	99
6) Chloroethane	2.67	64	180302	68.614	ug/l	98
7) Trichlorofluoromethane	2.99	101	385444	68.962	ug/l	97
8) Diethyl Ether	3.39	74	250428	102.971	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	374173	101.984	ug/l	99
10) Methyl Iodide	3.92	142	512245	106.658	ug/l	99
11) Tert butyl alcohol	4.76	59	417236	555.916	ug/l	99
12) 1,1-Dichloroethene	3.71	96	371097	103.229	ug/l	99
13) Acrolein	3.58	56	366653	514.790	ug/l	99
14) Allyl chloride	4.29	41	727403	108.135	ug/l	99
15) Acrylonitrile	4.95	53	1168155	558.237	ug/l	100
16) Acetone	3.79	43	1257200	607.130	ug/l	100
17) Carbon Disulfide	4.03	76	1190079	96.288	ug/l	100
18) Methyl Acetate	4.29	43	594890	105.824	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	1298572	110.823	ug/l	99
20) Methylene Chloride	4.52	84	418977	101.034	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	412306	104.983	ug/l	100
22) Diisopropyl ether	5.92	45	1407322	112.109	ug/l	97
23) Vinyl Acetate	5.86	43	5706080	560.602	ug/l	98
24) 1,1-Dichloroethane	5.82	63	776350	107.752	ug/l	99
25) 2-Butanone	6.81	43	1706290	597.615	ug/l	99
26) 2,2-Dichloropropane	6.80	77	667375	108.694	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	462201	107.261	ug/l	100
28) Bromochloromethane	7.17	49	314671	128.094	ug/l	100
29) Tetrahydrofuran	7.19	42	1074938	566.121	ug/l	100
30) Chloroform	7.35	83	740469	102.256	ug/l	99
31) Cyclohexane	7.63	56	737315	102.116	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	645998	108.992	ug/l	100
36) 1,1-Dichloropropene	7.77	75	599781	108.335	ug/l	99
37) Ethyl Acetate	6.90	43	656257	109.936	ug/l	99
38) Carbon Tetrachloride	7.75	117	579434	110.334	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	740764	111.759	ug/l	99
40) Benzene	8.02	78	1748949	106.238	ug/l	98
41) Methacrylonitrile	7.15	41	281291m	101.506	ug/l	
42) 1,2-Dichloroethane	8.10	62	590374	112.243	ug/l	100
43) Isopropyl Acetate	8.14	43	1042350	115.479	ug/l	100
44) Trichloroethene	8.82	130	447706	106.857	ug/l	100
45) 1,2-Dichloropropane	9.10	63	470558	109.240	ug/l	99
46) Dibromomethane	9.19	93	293471	110.220	ug/l	99
47) Bromodichloromethane	9.39	83	597002	110.827	ug/l	100
48) Methyl methacrylate	9.18	41	470340	117.156	ug/l	100
49) 1,4-Dioxane	9.19	88	129663	2276.691	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	2976609	564.283	ug/l	97
52) Toluene	10.15	92	1071902	108.860	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	700687	113.081	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	755916	113.441	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	414818	107.189	ug/l	99
56) Ethyl methacrylate	10.42	69	684815	121.181	ug/l	99
57) 1,3-Dichloropropane	10.70	76	728306	109.287	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	1172959	719.889	ug/l	99
59) 2-Hexanone	10.74	43	2286734	583.107	ug/l	98
60) Dibromochloromethane	10.90	129	461767	114.752	ug/l	100
61) 1,2-Dibromoethane	11.00	107	440921	111.192	ug/l	100
64) Tetrachloroethene	10.63	164	421264	109.622	ug/l	99
65) Chlorobenzene	11.43	112	1110527	105.825	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	414682	108.837	ug/l	100
67) Ethyl Benzene	11.51	91	2010366	108.778	ug/l	98
68) m/p-Xylenes	11.62	106	1522544	220.135	ug/l	96
69) o-Xylene	11.95	106	718009	108.695	ug/l	99
70) Styrene	11.96	104	1213053	117.101	ug/l	99
71) Bromoform	12.13	173	339569	116.465	ug/l #	100
73) Isopropylbenzene	12.25	105	1927807	105.833	ug/l	99
74) N-amyl acetate	12.07	43	836848	120.306	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	612510	102.454	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	550297m	97.506	ug/l	
77) Bromobenzene	12.53	156	464901	104.287	ug/l	99
78) n-propylbenzene	12.59	91	2249991	106.924	ug/l	99
79) 2-Chlorotoluene	12.67	91	1328080	105.665	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1626680	106.229	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	242529	110.929	ug/l	98
82) 4-Chlorotoluene	12.77	91	1377819	106.418	ug/l	100
83) tert-Butylbenzene	12.99	119	1392171	105.570	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1604540	106.918	ug/l	99
85) sec-Butylbenzene	13.17	105	1875437	107.236	ug/l	99
86) p-Isopropyltoluene	13.29	119	1701340	107.702	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	835768	105.848	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	826054	104.063	ug/l	100
89) n-Butylbenzene	13.62	91	1559452	112.760	ug/l	98
90) Hexachloroethane	13.88	117	316639	104.647	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	787731	101.809	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	129998	95.737	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	533746	112.049	ug/l	99
94) Hexachlorobutadiene	15.01	225	283337	96.108	ug/l	99
95) Naphthalene	15.13	128	1479642	109.017	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	528276	104.224	ug/l	99

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

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