

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120319\
 Data File : VN059474.D
 Acq On : 3 Dec 2019 17:31
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN120319

Manual Integrations
 APPROVED

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

Quant Time: Dec 03 18:05:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 16:37:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	355303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	556695	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	507152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	242951	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	216798	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
35) Dibromofluoromethane	7.56	113	170995	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
50) Toluene-d8	10.08	98	674191	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
62) 4-Bromofluorobenzene	12.40	95	242829	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	187538	47.432	ug/l	100
3) Chloromethane	2.04	50	254436	48.014	ug/l	99
4) Vinyl Chloride	2.17	62	153644	48.317	ug/l	99
5) Bromomethane	2.54	94	92097	47.658	ug/l	98
6) Chloroethane	2.68	64	90586	48.251	ug/l	98
7) Trichlorofluoromethane	2.99	101	201735	52.529	ug/l	99
8) Diethyl Ether	3.38	74	121463	48.542	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	185483	49.200	ug/l	98
10) Methyl Iodide	3.92	142	241430	50.576	ug/l	99
11) Tert butyl alcohol	4.75	59	211263	254.004	ug/l #	86
12) 1,1-Dichloroethene	3.71	96	180515	48.983	ug/l	97
13) Acrolein	3.58	56	168479	233.403	ug/l	99
14) Allyl chloride	4.29	41	353885	48.755	ug/l	99
15) Acrylonitrile	4.95	53	551866	245.258	ug/l	100
16) Acetone	3.79	43	611152	247.905	ug/l	99
17) Carbon Disulfide	4.02	76	579166	46.059	ug/l	99
18) Methyl Acetate	4.29	43	282133	47.483	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	627465	49.957	ug/l	99
20) Methylene Chloride	4.52	84	208054	50.046	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	201967	48.980	ug/l	98
22) Diisopropyl ether	5.92	45	687861	50.915	ug/l	97
23) Vinyl Acetate	5.86	43	2866769	264.446	ug/l	100
24) 1,1-Dichloroethane	5.81	63	381299	49.683	ug/l	99
25) 2-Butanone	6.81	43	805317	240.045	ug/l	99
26) 2,2-Dichloropropane	6.80	77	326497	49.187	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	227416	49.659	ug/l	98
28) Bromochloromethane	7.17	49	142539	47.731	ug/l	98
29) Tetrahydrofuran	7.18	42	505282	239.526	ug/l	100
30) Chloroform	7.35	83	363442	49.047	ug/l	99
31) Cyclohexane	7.63	56	356125	47.891	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	312003	48.444	ug/l	99
36) 1,1-Dichloropropene	7.77	75	289633	49.996	ug/l	99
37) Ethyl Acetate	6.90	43	310021	47.910	ug/l	99
38) Carbon Tetrachloride	7.75	117	276820	49.682	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	356865	51.189	ug/l	99
40) Benzene	8.02	78	850715	50.148	ug/l	98
41) Methacrylonitrile	7.16	41	151471m	57.757	ug/l	
42) 1,2-Dichloroethane	8.10	62	287920	49.964	ug/l	100
43) Isopropyl Acetate	8.14	43	488070	50.712	ug/l	100
44) Trichloroethene	8.82	130	215796	48.677	ug/l	99
45) 1,2-Dichloropropane	9.10	63	227413	50.177	ug/l	98
46) Dibromomethane	9.19	93	140621	49.835	ug/l	100
47) Bromodichloromethane	9.39	83	287971	50.898	ug/l	99
48) Methyl methacrylate	9.18	41	219123	50.465	ug/l	100
49) 1,4-Dioxane	9.18	88	76846	1169.595	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	1480273	259.109	ug/l	100
52) Toluene	10.14	92	519610	50.645	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	336694	50.573	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	364898	51.710	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	202103	49.969	ug/l	99
56) Ethyl methacrylate	10.42	69	318886	48.738	ug/l	99
57) 1,3-Dichloropropane	10.70	76	352083	50.339	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	511706	230.458	ug/l	100
59) 2-Hexanone	10.74	43	1121699	260.897	ug/l	100
60) Dibromochloromethane	10.90	129	219985	50.940	ug/l	99
61) 1,2-Dibromoethane	11.00	107	208377	49.860	ug/l	98
64) Tetrachloroethene	10.63	164	200298	46.431	ug/l	98
65) Chlorobenzene	11.43	112	541557	48.846	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	200367	50.296	ug/l	100
67) Ethyl Benzene	11.51	91	991279	51.031	ug/l	100
68) m/p-Xylenes	11.62	106	743804	102.836	ug/l	98
69) o-Xylene	11.95	106	353116	51.280	ug/l	99
70) Styrene	11.96	104	575290	52.335	ug/l	100
71) Bromoform	12.12	173	158023	50.890	ug/l #	99
73) Isopropylbenzene	12.25	105	947702	48.640	ug/l	100
74) N-amyl acetate	12.07	43	398146	50.732	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	300173	48.029	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	287663m	47.620	ug/l	
77) Bromobenzene	12.53	156	229011	47.036	ug/l	99
78) n-propylbenzene	12.59	91	1124190	49.581	ug/l	100
79) 2-Chlorotoluene	12.67	91	653437	47.807	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	811506	49.839	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	112925	49.059	ug/l	100
82) 4-Chlorotoluene	12.77	91	682150	48.372	ug/l	100
83) tert-Butylbenzene	12.99	119	689493	48.775	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	812555	51.064	ug/l	99
85) sec-Butylbenzene	13.17	105	929140	49.593	ug/l	100
86) p-Isopropyltoluene	13.29	119	845277	50.346	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	416337	48.499	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	413846	47.801	ug/l	99
89) n-Butylbenzene	13.62	91	742222	49.343	ug/l	99
90) Hexachloroethane	13.88	117	152793	47.186	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	399570	48.553	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	62205	48.258	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	247640	49.292	ug/l	99
94) Hexachlorobutadiene	15.01	225	144403	50.837	ug/l	99
95) Naphthalene	15.13	128	647321	46.925	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	248015	49.176	ug/l	98

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

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