

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120919\
 Data File : VN059528.D
 Acq On : 9 Dec 2019 15:30
 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
 12/10/2019 5:10:43 PM

Quant Time: Dec 09 16:33:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 09 16:19:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	269050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	429876	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	474048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	209935	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	73279	21.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.90%	
35) Dibromofluoromethane	7.57	113	52462	20.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.14%	
50) Toluene-d8	10.08	98	247682	24.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.42%	
62) 4-Bromofluorobenzene	12.40	95	89486	24.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	61276	20.698	ug/l	98
3) Chloromethane	2.04	50	98878	24.471	ug/l	98
4) Vinyl Chloride	2.17	62	93272	34.247	ug/l	99
5) Bromomethane	2.54	94	56981	34.000	ug/l	99
6) Chloroethane	2.68	64	56845	35.727	ug/l	95
7) Trichlorofluoromethane	3.00	101	118275	36.412	ug/l	100
8) Diethyl Ether	3.38	74	36227	19.671	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	57598	20.632	ug/l	99
10) Methyl Iodide	3.93	142	73957	21.110	ug/l	99
11) Tert butyl alcohol	4.75	59	61714	100.994	ug/l	99
12) 1,1-Dichloroethene	3.71	96	53526	19.760	ug/l	94
13) Acrolein	3.58	56	18226	38.777	ug/l	99
14) Allyl chloride	4.30	41	106821	19.856	ug/l	99
15) Acrylonitrile	4.95	53	167683	101.281	ug/l	99
16) Acetone	3.79	43	163529	74.492	ug/l	95
17) Carbon Disulfide	4.03	76	179826	19.311	ug/l	100
18) Methyl Acetate	4.29	43	90898	20.651	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	191481	20.546	ug/l	98
20) Methylene Chloride	4.52	84	65964	19.126	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	60299	19.781	ug/l	97
22) Diisopropyl ether	5.92	45	211821	21.116	ug/l	99
23) Vinyl Acetate	5.87	43	899480	111.224	ug/l	100
24) 1,1-Dichloroethane	5.82	63	119877	21.068	ug/l	98
25) 2-Butanone	6.81	43	241049	97.124	ug/l	99
26) 2,2-Dichloropropane	6.80	77	107658	21.669	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	68997	20.339	ug/l	99
28) Bromochloromethane	7.17	49	46581	25.693	ug/l	99
29) Tetrahydrofuran	7.18	42	163066	103.991	ug/l	99
30) Chloroform	7.35	83	118645	21.430	ug/l	96
31) Cyclohexane	7.63	56	111384	20.334	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	104940	21.737	ug/l	99
36) 1,1-Dichloropropene	7.77	75	90444	20.644	ug/l	99
37) Ethyl Acetate	6.90	43	102289	20.896	ug/l	99
38) Carbon Tetrachloride	7.75	117	91056	21.508	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	101319	19.373	ug/l	98
40) Benzene	8.02	78	260730	20.411	ug/l	99
41) Methacrylonitrile	7.16	41	44847m	22.213	ug/l	
42) 1,2-Dichloroethane	8.10	62	100041	22.552	ug/l	100
43) Isopropyl Acetate	8.14	43	156934	21.425	ug/l	99
44) Trichloroethene	8.82	130	65502	19.661	ug/l	98
45) 1,2-Dichloropropane	9.10	63	70936	20.750	ug/l	98
46) Dibromomethane	9.19	93	45832	21.418	ug/l	98
47) Bromodichloromethane	9.39	83	92106	21.391	ug/l	99
48) Methyl methacrylate	9.18	41	70134	21.261	ug/l	99
49) 1,4-Dioxane	9.19	88	18259	375.770	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	540906	124.663	ug/l	100
52) Toluene	10.15	92	188472	24.455	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	122301	24.220	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	110261	20.698	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	76146	25.023	ug/l	99
56) Ethyl methacrylate	10.42	69	111599	25.314	ug/l	92
57) 1,3-Dichloropropane	10.70	76	125546	23.761	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	154213	119.722	ug/l	100
59) 2-Hexanone	10.74	43	396370	121.383	ug/l	95
60) Dibromochloromethane	10.90	129	81897	25.046	ug/l	100
61) 1,2-Dibromoethane	11.00	107	77653	24.633	ug/l	99
64) Tetrachloroethene	10.63	164	71585	18.639	ug/l	97
65) Chlorobenzene	11.43	112	198683	19.690	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	74209	20.395	ug/l	99
67) Ethyl Benzene	11.51	91	357701	20.188	ug/l	100
68) m/p-Xylenes	11.62	106	278069	41.804	ug/l	99
69) o-Xylene	11.95	106	121267	19.143	ug/l	100
70) Styrene	11.96	104	192646	18.987	ug/l	99
71) Bromoform	12.12	173	59035	20.535	ug/l #	99
73) Isopropylbenzene	12.25	105	358203	22.386	ug/l	99
74) N-amyl acetate	12.07	43	147501	22.577	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	120482	23.195	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	112072m	21.851	ug/l	
77) Bromobenzene	12.53	156	85397	21.076	ug/l	94
78) n-propylbenzene	12.59	91	423806	22.531	ug/l	100
79) 2-Chlorotoluene	12.67	91	246901	21.743	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	306795	22.653	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	42592	22.538	ug/l	95
82) 4-Chlorotoluene	12.77	91	258252	21.954	ug/l	100
83) tert-Butylbenzene	12.99	119	249239	21.222	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	300614	22.654	ug/l	100
85) sec-Butylbenzene	13.17	105	343139	21.984	ug/l	100
86) p-Isopropyltoluene	13.29	119	302975	21.587	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	152177	21.102	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	132723	18.228	ug/l	99
89) n-Butylbenzene	13.62	91	244081	19.355	ug/l	97
90) Hexachloroethane	13.88	117	47855	17.695	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	124331	18.011	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22938	18.298	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	79401	18.288	ug/l	99
94) Hexachlorobutadiene	15.01	225	43328	16.030	ug/l	98
95) Naphthalene	15.13	128	227378	17.861	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	77828	16.758	ug/l	98

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

