

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120919\
 Data File : VN059527.D
 Acq On : 9 Dec 2019 15:08
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 12/10/2019 5:10:40 PM

Quant Time: Dec 09 16:31:30 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	246423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	459988	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	451163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	165930	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	18600	6.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.16%	
35) Dibromofluoromethane	7.57	113	13237	4.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.46%	
50) Toluene-d8	10.08	98	50338	4.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.20%	
62) 4-Bromofluorobenzene	12.40	95	16895	4.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.58%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	10983	4.050	ug/l	100
3) Chloromethane	2.04	50	17033	4.602	ug/l	95
4) Vinyl Chloride	2.17	62	14685	5.887	ug/l	99
5) Bromomethane	2.54	94	8928	5.816	ug/l	97
6) Chloroethane	2.68	64	8677	5.954	ug/l	97
7) Trichlorofluoromethane	3.00	101	17918	6.023	ug/l	92
8) Diethyl Ether	3.39	74	7016	4.159	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	10454	4.088	ug/l	98
10) Methyl Iodide	3.93	142	10295	3.208	ug/l	98
11) Tert butyl alcohol	4.76	59	8284m	14.801	ug/l	
12) 1,1-Dichloroethene	3.71	96	10109	4.075	ug/l	87
13) Acrolein	3.59	56	5064	11.763	ug/l	96
14) Allyl chloride	4.29	41	16092	3.266	ug/l	95
15) Acrylonitrile	4.96	53	21730	14.330	ug/l	94
16) Acetone	3.79	43	31507	15.670	ug/l	98
17) Carbon Disulfide	4.03	76	30165	3.537	ug/l	98
18) Methyl Acetate	4.30	43	14918m	3.700	ug/l	
19) Methyl tert-butyl Ether	5.02	73	25923	3.037	ug/l	100
20) Methylene Chloride	4.52	84	11930	3.777	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	8805	3.154	ug/l	87
22) Diisopropyl ether	5.92	45	27756	3.021	ug/l	89
23) Vinyl Acetate	5.87	43	113700	15.350	ug/l	99
24) 1,1-Dichloroethane	5.82	63	17950	3.444	ug/l	100
25) 2-Butanone	6.81	43	32716	14.392	ug/l	99
26) 2,2-Dichloropropane	6.79	77	15534	3.414	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	9421	3.032	ug/l	95
28) Bromochloromethane	7.18	49	5295	3.189	ug/l #	98
29) Tetrahydrofuran	7.19	42	22090	15.381	ug/l	99
30) Chloroform	7.35	83	16489	3.252	ug/l	98
31) Cyclohexane	7.64	56	19346	3.856	ug/l #	72
32) 1,1,1-Trichloroethane	7.54	97	14889	3.367	ug/l	99
36) 1,1-Dichloropropene	7.77	75	12476	2.661	ug/l	99
37) Ethyl Acetate	6.91	43	13915	2.656	ug/l	96
38) Carbon Tetrachloride	7.75	117	12719	2.808	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	13493	2.411	ug/l	97
40) Benzene	8.02	78	37271	2.727	ug/l	97
41) Methacrylonitrile	7.16	41	6497m	3.007	ug/l	
42) 1,2-Dichloroethane	8.10	62	14697	3.096	ug/l	98
43) Isopropyl Acetate	8.15	43	20858	2.661	ug/l #	92
44) Trichloroethene	8.82	130	9639	2.704	ug/l	93
45) 1,2-Dichloropropane	9.10	63	10021	2.739	ug/l	98
46) Dibromomethane	9.19	93	6260	2.734	ug/l	98
47) Bromodichloromethane	9.39	83	12865	2.792	ug/l	99
48) Methyl methacrylate	9.19	41	9712	2.751	ug/l	92
49) 1,4-Dioxane	9.18	88	2265	43.562	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	60844	13.105	ug/l	97
52) Toluene	10.15	92	21197	2.570	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	13399	2.480	ug/l #	85
54) cis-1,3-Dichloropropene	9.83	75	14847	2.605	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	9291	2.853	ug/l	97
56) Ethyl methacrylate	10.42	69	10107	2.142	ug/l	89
57) 1,3-Dichloropropane	10.70	76	14618	2.586	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	39635	28.756	ug/l	98
59) 2-Hexanone	10.75	43	44365	12.697	ug/l	98
60) Dibromochloromethane	10.90	129	9365	2.677	ug/l	97
61) 1,2-Dibromoethane	11.00	107	9139	2.709	ug/l	98
64) Tetrachloroethene	10.63	164	7895	2.160	ug/l	96
65) Chlorobenzene	11.43	112	28942	3.014	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	10260	2.963	ug/l	92
67) Ethyl Benzene	11.51	91	49355	2.927	ug/l	100
68) m/p-Xylenes	11.62	106	34839	5.503	ug/l	95
69) o-Xylene	11.95	106	16902	2.804	ug/l	95
70) Styrene	11.96	104	25583	2.649	ug/l	99
71) Bromoform	12.13	173	7747	2.831	ug/l #	97
73) Isopropylbenzene	12.25	105	38636	3.055	ug/l	99
74) N-amyl acetate	12.07	43	17517	3.392	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	13182	3.211	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	11940m	2.945	ug/l	
77) Bromobenzene	12.53	156	9467	2.956	ug/l	94
78) n-propylbenzene	12.59	91	43290	2.912	ug/l	97
79) 2-Chlorotoluene	12.67	91	25581	2.850	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	28919	2.702	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	4351	2.913	ug/l	89
82) 4-Chlorotoluene	12.77	91	27158	2.921	ug/l	99
83) tert-Butylbenzene	12.99	119	24518	2.641	ug/l	92
84) 1,2,4-Trimethylbenzene	13.04	105	28807	2.747	ug/l	100
85) sec-Butylbenzene	13.17	105	34454	2.793	ug/l	100
86) p-Isopropyltoluene	13.29	119	29793	2.686	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	16590	2.911	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	17826	3.097	ug/l	91
89) n-Butylbenzene	13.62	91	28812	2.891	ug/l	99
90) Hexachloroethane	13.87	117	6461	3.023	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	16584	3.039	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3256	3.286	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	10189	2.969	ug/l	96
94) Hexachlorobutadiene	15.01	225	5972	2.795	ug/l	96
95) Naphthalene	15.13	128	26132	2.597	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	10311	2.809	ug/l	97

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

