

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112019\
 Data File : VN059318.D
 Acq On : 20 Nov 2019 11:25
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 11/21/2019 11:07:32 AM

Quant Time: Nov 21 06:19:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 06:09:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	363817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	579880	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	495648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	194306	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	3828	0.822	ug/l	99
3) Chloromethane	2.04	50	5067	0.888	ug/l	94
4) Vinyl Chloride	2.17	62	5168	0.880	ug/l	90
6) Chloroethane	2.69	64	3435	1.071	ug/l	94
7) Trichlorofluoromethane	3.00	101	5350	0.846	ug/l	86
8) Diethyl Ether	3.38	74	2218m	0.858	ug/l	
9) 1,1,2-Trichlorotrifluoroet	3.73	101	3106	0.803	ug/l	98
12) 1,1-Dichloroethene	3.72	96	3441	0.876	ug/l #	78
14) Allyl chloride	4.29	41	5617	0.766	ug/l #	68
15) Acrylonitrile	4.96	53	9760	4.224	ug/l	96
16) Acetone	3.79	43	9671	4.941	ug/l	98
17) Carbon Disulfide	4.03	76	14184	1.289	ug/l	95
18) Methyl Acetate	4.29	43	6065	0.934	ug/l #	85
19) Methyl tert-butyl Ether	5.00	73	10429m	0.822	ug/l	
20) Methylene Chloride	4.53	84	4180	0.947	ug/l	93
21) trans-1,2-Dichloroethene	5.02	96	4194	1.008	ug/l #	68
22) Diisopropyl ether	5.92	45	10985	0.795	ug/l #	74
23) Vinyl Acetate	5.87	43	42762	3.937	ug/l	97
24) 1,1-Dichloroethane	5.82	63	6736	0.866	ug/l #	85
25) 2-Butanone	6.81	43	12867	4.228	ug/l	99
26) 2,2-Dichloropropane	6.79	77	6182	0.918	ug/l	88
27) cis-1,2-Dichloroethene	6.80	96	3953	0.842	ug/l	97
28) Bromochloromethane	7.17	49	1272	2.734	ug/l #	99
29) Tetrahydrofuran	7.19	42	8895	4.227	ug/l	88
30) Chloroform	7.35	83	9867	1.173	ug/l	85
32) 1,1,1-Trichloroethane	7.54	97	5206	0.803	ug/l #	50
36) 1,1-Dichloropropene	7.77	75	5169	0.863	ug/l #	80
37) Ethyl Acetate	6.91	43	4700	0.731	ug/l #	86
38) Carbon Tetrachloride	7.75	117	4826	0.842	ug/l	92
39) Methylcyclohexane	9.07	83	6006	0.832	ug/l	95
40) Benzene	8.02	78	14624	0.832	ug/l	99
41) Methacrylonitrile	7.15	41	2163	0.757	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	5111	0.880	ug/l	87
43) Isopropyl Acetate	8.15	43	7414	0.754	ug/l #	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.82	130	4105	0.922	ug/l	98
45) 1,2-Dichloropropane	9.10	63	4054	0.865	ug/l	93
46) Dibromomethane	9.19	93	2414	0.840	ug/l	99
47) Bromodichloromethane	9.39	83	4876	0.847	ug/l #	99
48) Methyl methacrylate	9.19	41	3694	0.826	ug/l #	88
49) 1,4-Dioxane	9.19	88	1289	19.181	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	22164	3.851	ug/l	97
52) Toluene	10.15	92	8566	0.811	ug/l	93
53) t-1,3-Dichloropropene	10.38	75	5330	0.797	ug/l #	53
54) cis-1,3-Dichloropropene	9.83	75	5496	0.757	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	3520	0.857	ug/l	95
56) Ethyl methacrylate	10.43	69	4323	2.788	ug/l	87
57) 1,3-Dichloropropane	10.70	76	5993	0.837	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	8684	25.883	ug/l	98
59) 2-Hexanone	10.75	43	17624	4.182	ug/l	96
60) Dibromochloromethane	10.90	129	3032	0.700	ug/l	88
61) 1,2-Dibromoethane	11.00	107	3167	0.741	ug/l	100
64) Tetrachloroethene	10.62	164	3816	0.995	ug/l	87
65) Chlorobenzene	11.43	112	9974	0.936	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	2805	0.724	ug/l #	46
67) Ethyl Benzene	11.51	91	15950	0.838	ug/l	98
68) m/p-Xylenes	11.62	106	11703	1.655	ug/l	94
69) o-Xylene	11.95	106	5538	0.818	ug/l	99
70) Styrene	11.97	104	8355	0.782	ug/l	95
71) Bromoform	12.13	173	2448	0.835	ug/l #	99
73) Isopropylbenzene	12.25	105	15033	0.944	ug/l	97
74) N-amyl acetate	12.08	43	6258	0.978	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	5120	0.972	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	4516m	1.006	ug/l	
77) Bromobenzene	12.53	156	4102	1.062	ug/l	92
78) n-propylbenzene	12.59	91	17103	0.949	ug/l	99
79) 2-Chlorotoluene	12.68	91	11302	1.021	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	12113	0.905	ug/l	98
82) 4-Chlorotoluene	12.78	91	11180	0.976	ug/l	100
83) tert-Butylbenzene	13.00	119	10918	0.966	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	12237	0.934	ug/l	99
85) sec-Butylbenzene	13.17	105	14315	0.942	ug/l	99
86) p-Isopropyltoluene	13.29	119	13013	0.963	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	8324	1.211	ug/l	93
88) 1,4-Dichlorobenzene	13.37	146	8230m	1.210	ug/l	
89) n-Butylbenzene	13.62	91	12664	1.068	ug/l	97
90) Hexachloroethane	13.88	117	2636	1.030	ug/l	77
91) 1,2-Dichlorobenzene	13.66	146	8069	1.213	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	2081	1.859	ug/l	54
93) 1,2,4-Trichlorobenzene	14.92	180	7455	4.634	ug/l	98
94) Hexachlorobutadiene	15.01	225	3528	1.472	ug/l	99
95) Naphthalene	15.13	128	32892	5.858	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	10043	4.281	ug/l	96

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

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