

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041521\
 Data File : VN066611.D
 Acq On : 15 Apr 2021 13:16
 Operator : JC/MD
 Sample : VSTDIC010
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 4/16/2021 1:10:45 PM

Quant Time: Apr 15 13:41:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041521W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 15 13:41:25 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.588	168	238658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	388340	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.348	117	362957	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.287	152	158850	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	37061	10.41	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	20.82%#		
35) Dibromofluoromethane	7.510	113	28089	10.50	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	21.00%#		
50) Toluene-d8	10.029	98	111249	10.55	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	21.10%#		
62) 4-Bromofluorobenzene	12.349	95	37504	9.95	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	19.90%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.835	85	30228	10.60	ug/l	98
3) Chloromethane	2.034	50	43036	10.42	ug/l	100
4) Vinyl Chloride	2.160	62	37949	10.48	ug/l	100
5) Bromomethane	2.514	94	23113	11.16	ug/l	97
6) Chloroethane	2.659	64	22348	10.32	ug/l	96
7) Trichlorofluoromethane	2.970	101	41442	9.95	ug/l	98
8) Diethyl Ether	3.353	74	17655	10.28	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.694	101	25677	10.42	ug/l	100
10) Methyl Iodide	3.882	142	35465	10.24	ug/l	98
11) Tert butyl alcohol	4.708	59	29683	51.94	ug/l	97
12) 1,1-Dichloroethene	3.670	96	25124	10.35	ug/l	88
13) Acrolein	3.544	56	15061	9.85	ug/l	98
14) Allyl chloride	4.244	41	53059	10.14	ug/l	96
15) Acrylonitrile	4.893	53	81795	10.36	ug/l	99
16) Acetone	3.753	43	79715	10.32	ug/l	95
17) Carbon Disulfide	3.981	76	81793	10.06	ug/l	100
18) Methyl Acetate	4.252	43	39466	10.37	ug/l	94
19) Methyl tert-butyl Ether	4.955	73	89155	10.29	ug/l	95
20) Methylene Chloride	4.464	84	34128	10.27	ug/l	91
21) trans-1,2-Dichloroethene	4.949	96	28013	10.24	ug/l	89
22) Diisopropyl ether	5.861	45	108910	10.37	ug/l #	87
23) Vinyl Acetate	5.805	43	444075	10.09	ug/l	95
24) 1,1-Dichloroethane	5.759	63	57788	10.25	ug/l	97
25) 2-Butanone	6.749	43	108522	10.29	ug/l	95
26) 2,2-Dichloropropane	6.735	77	46296	10.38	ug/l	98
27) cis-1,2-Dichloroethene	6.741	96	32677	10.27	ug/l	90
28) Bromochloromethane	7.111	49	32453	11.01	ug/l #	82
29) Tetrahydrofuran	7.127	42	73410	10.32	ug/l	90
30) Chloroform	7.291	83	54065	10.15	ug/l	99
31) Cyclohexane	7.578	56	53031	10.42	ug/l #	93
32) 1,1,1-Trichloroethane	7.489	97	44378	10.07	ug/l	96
36) 1,1-Dichloropropene	7.714	75	38657	9.96	ug/l	98
37) Ethyl Acetate	6.843	43	48239	10.89	ug/l #	97
38) Carbon Tetrachloride	7.696	117	37015	10.22	ug/l	100
39) Methylcyclohexane	9.015	83	46367	10.40	ug/l	89
40) Benzene	7.969	78	128971	10.39	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.084	41	17953	8.77	ug/l #	100
42) 1,2-Dichloroethane	8.052	62	43899	10.34	ug/l	98
43) Isopropyl Acetate	8.092	43	75894	10.27	ug/l #	87
44) Trichloroethene	8.768	130	29648	10.34	ug/l	94
45) 1,2-Dichloropropane	9.053	63	35273	10.22	ug/l	98
46) Dibromomethane	9.144	93	21330	10.29	ug/l	96
47) Bromodichloromethane	9.337	83	43833	10.28	ug/l	99
48) Methyl methacrylate	9.136	41	34102	10.14	ug/l	89
49) 1,4-Dioxane	9.136	88	11107	9.95	ug/l	88
51) 4-Methyl-2-Pentanone	9.922	43	223660	10.19	ug/l	95
52) Toluene	10.093	92	76644	10.39	ug/l	99
53) t-1,3-Dichloropropene	10.324	75	47601	10.22	ug/l	100
54) cis-1,3-Dichloropropene	9.777	75	52477	10.28	ug/l	92
55) 1,1,2-Trichloroethane	10.501	97	30465	10.05	ug/l	99
56) Ethyl methacrylate	10.372	69	40920	9.97	ug/l	91
57) 1,3-Dichloropropane	10.648	76	51550	10.11	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.632	63	29783	8.84	ug/l	93
59) 2-Hexanone	10.694	43	139125	10.01	ug/l	94
60) Dibromochloromethane	10.841	129	31599	9.94	ug/l	98
61) 1,2-Dibromoethane	10.946	107	30721	10.24	ug/l	99
64) Tetrachloroethene	10.571	164	26472	10.65	ug/l	99
65) Chlorobenzene	11.375	112	80418	10.28	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.450	131	29698	10.44	ug/l	99
67) Ethyl Benzene	11.456	91	140568	10.23	ug/l	98
68) m/p-Xylenes	11.566	106	105244	10.45	ug/l	98
69) o-Xylene	11.893	106	51201	10.42	ug/l	99
70) Styrene	11.912	104	77838	10.01	ug/l	97
71) Bromoform	12.073	173	22514	10.29	ug/l #	99
73) Isopropylbenzene	12.193	105	131187	10.89	ug/l	99
74) N-amyl acetate	12.040	43	6512m	2.31	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.451	83	47668	10.82	ug/l	99
76) 1,2,3-Trichloropropane	12.499	75	39815m	10.72	ug/l	
77) Bromobenzene	12.472	156	33013	11.11	ug/l	94
78) n-propylbenzene	12.536	91	152782	10.94	ug/l	96
79) 2-Chlorotoluene	12.620	91	94049	11.06	ug/l	98
80) 1,3,5-Trimethylbenzene	12.679	105	110587	10.86	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.252	75	10243	9.52	ug/l	91
82) 4-Chlorotoluene	12.719	91	89385	10.61	ug/l	98
83) tert-Butylbenzene	12.939	119	93778	10.97	ug/l	100
84) 1,2,4-Trimethylbenzene	12.984	105	104165	10.77	ug/l	100
85) sec-Butylbenzene	13.116	105	121701	10.50	ug/l	99
86) p-Isopropyltoluene	13.234	119	102869	10.71	ug/l	99
87) 1,3-Dichlorobenzene	13.228	146	55552	10.60	ug/l	98
88) 1,4-Dichlorobenzene	13.309	146	57928	10.17	ug/l	97
89) n-Butylbenzene	13.564	91	82979	10.25	ug/l	96
90) Hexachloroethane	13.816	117	21408	10.28	ug/l	97
91) 1,2-Dichlorobenzene	13.601	146	56172	10.85	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.221	75	7522	9.99	ug/l	88
93) 1,2,4-Trichlorobenzene	14.856	180	31785	10.82	ug/l	95
94) Hexachlorobutadiene	14.950	225	17660	10.84	ug/l	99
95) Naphthalene	15.076	128	95172	11.82	ug/l	99
96) 1,2,3-Trichlorobenzene	15.251	180	33383	11.18	ug/l	95

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

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