

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102621\
 Data File : VN069162.D
 Acq On : 25 Oct 2021 19:49
 Operator : JC/MD
 Sample : VN1025WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/26/2021 6:15:39 PM

Quant Time: Oct 26 01:36:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	338857	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	602175	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	563713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	229536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	251754	56.350	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 112.700%	
35) Dibromofluoromethane	8.024	113	191451	54.645	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 109.300%	
50) Toluene-d8	10.443	98	766026	54.645	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 109.300%	
62) 4-Bromofluorobenzene	12.733	95	284185	53.733	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 107.460%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.075	85	72929	18.097	ug/l	100
3) Chloromethane	2.303	50	78559	18.968	ug/l	99
4) Vinyl Chloride	2.445	62	90498	21.512	ug/l	98
5) Bromomethane	2.853	94	60711	26.237	ug/l	99
6) Chloroethane	3.019	64	59372	23.948	ug/l	99
7) Trichlorofluoromethane	3.376	101	121100	20.558	ug/l	97
8) Diethyl Ether	3.829	74	44606	20.301	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.215	101	66600	21.026	ug/l	96
10) Methyl Iodide	4.427	142	79189	17.225	ug/l	99
11) Tert butyl alcohol	5.366	59	72851	89.238	ug/l	99
12) 1,1-Dichloroethene	4.189	96	63593	19.422	ug/l	98
13) Acrolein	4.044	56	25262	69.951	ug/l	99
14) Allyl chloride	4.848	41	108729	18.524	ug/l	95
15) Acrylonitrile	5.554	53	184877	101.067	ug/l	100
16) Acetone	4.288	43	155579	93.314	ug/l	100
17) Carbon Disulfide	4.537	76	147327	16.580	ug/l	100
18) Methyl Acetate	4.859	43	132250	20.913	ug/l	98
19) Methyl tert-butyl Ether	5.621	73	251190	20.603	ug/l	99
20) Methylene Chloride	5.101	84	79124	20.619	ug/l	97
21) trans-1,2-Dichloroethene	5.605	96	69642	19.688	ug/l	97
22) Diisopropyl ether	6.498	45	242281	19.849	ug/l	97
23) Vinyl Acetate	6.436	43	895643	97.060	ug/l	98
24) 1,1-Dichloroethane	6.391	63	134326	20.254	ug/l	99
25) 2-Butanone	7.335	43	247971	98.355	ug/l	100
26) 2,2-Dichloropropane	7.329	77	119475	18.904	ug/l	99
27) cis-1,2-Dichloroethene	7.329	96	85094	19.900	ug/l	98
28) Bromochloromethane	7.662	49	45354	15.099	ug/l	97
29) Tetrahydrofuran	7.686	42	162618	99.439	ug/l	97
30) Chloroform	7.820	83	146240	20.924	ug/l	99
31) Cyclohexane	8.099	56	126502	18.211	ug/l	91
32) 1,1,1-Trichloroethane	8.016	97	129486	19.874	ug/l	99
36) 1,1-Dichloropropene	8.225	75	103408	20.105	ug/l	99
37) Ethyl Acetate	7.415	43	106033	19.960	ug/l	99
38) Carbon Tetrachloride	8.212	117	110780	19.611	ug/l	98
39) Methylcyclohexane	9.461	83	126207	19.064	ug/l	98
40) Benzene	8.464	78	318415	20.330	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.640	41	52927	19.765	ug/l	96
42) 1,2-Dichloroethane	8.531	62	117599	21.203	ug/l	100
43) Isopropyl Acetate	8.560	43	185693	19.812	ug/l	99
44) Trichloroethene	9.220	130	79461	20.271	ug/l	98
45) 1,2-Dichloropropane	9.494	63	81645	20.089	ug/l	99
46) Dibromomethane	9.579	93	56712	20.442	ug/l	99
47) Bromodichloromethane	9.764	83	111764	19.441	ug/l	98
48) Methyl methacrylate	9.561	41	79057	17.951	ug/l	88
49) 1,4-Dioxane	9.571	88	29626	368.489	ug/l	96
51) 4-Methyl-2-Pentanone	10.333	43	547144	100.675	ug/l	100
52) Toluene	10.507	92	210187	20.859	ug/l	98
53) t-1,3-Dichloropropene	10.722	75	124241	19.078	ug/l	99
54) cis-1,3-Dichloropropene	10.191	75	129487	19.111	ug/l	98
55) 1,1,2-Trichloroethane	10.899	97	82928	20.873	ug/l	98
56) Ethyl methacrylate	10.762	69	135033	20.243	ug/l	97
57) 1,3-Dichloropropane	11.046	76	138225	21.100	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.043	63	194087	110.248	ug/l	98
59) 2-Hexanone	11.087	43	394484	101.216	ug/l	100
60) Dibromochloromethane	11.240	129	83891	18.707	ug/l	100
61) 1,2-Dibromoethane	11.347	107	85451	20.969	ug/l	100
64) Tetrachloroethene	10.979	164	71644	19.729	ug/l	99
65) Chlorobenzene	11.773	112	224875	21.081	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.843	131	83299	19.951	ug/l	99
67) Ethyl Benzene	11.848	91	413893	20.888	ug/l	99
68) m/p-Xylenes	11.956	106	309195	41.163	ug/l	99
69) o-Xylene	12.283	106	153936	20.474	ug/l	100
70) Styrene	12.296	104	250689	20.483	ug/l	100
71) Bromoform	12.460	173	58011	17.345	ug/l #	98
73) Isopropylbenzene	12.581	105	404718	21.183	ug/l	100
74) N-amyl acetate	12.390	43	145808	20.144	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.830	83	126007	22.822	ug/l	99
76) 1,2,3-Trichloropropane	12.881	75	102451m	20.977	ug/l	
77) Bromobenzene	12.862	156	92075	21.794	ug/l	98
78) n-propylbenzene	12.924	91	454626	21.174	ug/l	99
79) 2-Chlorotoluene	13.010	91	282543	21.350	ug/l	100
80) 1,3,5-Trimethylbenzene	13.061	105	336249	21.130	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.629	75	34697	16.997	ug/l	94
82) 4-Chlorotoluene	13.106	91	270003	21.114	ug/l	100
83) tert-Butylbenzene	13.326	119	295109	21.303	ug/l	98
84) 1,2,4-Trimethylbenzene	13.369	105	329514	21.491	ug/l	100
85) sec-Butylbenzene	13.503	105	410657	21.405	ug/l	100
86) p-Isopropyltoluene	13.618	119	325948	21.181	ug/l	100
87) 1,3-Dichlorobenzene	13.618	146	153869	21.056	ug/l	100
88) 1,4-Dichlorobenzene	13.696	146	149425	20.602	ug/l	98
89) n-Butylbenzene	13.946	91	262120	20.461	ug/l	100
90) Hexachloroethane	14.214	117	60347	18.669	ug/l	98
91) 1,2-Dichlorobenzene	13.991	146	150273	21.169	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.605	75	21210	19.924	ug/l	98
93) 1,2,4-Trichlorobenzene	15.265	180	70414	19.916	ug/l	99
94) Hexachlorobutadiene	15.372	225	40729	20.150	ug/l	99
95) Naphthalene	15.507	128	203143	21.428	ug/l	100
96) 1,2,3-Trichlorobenzene	15.702	180	69899	20.612	ug/l	97

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

