

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111122\
 Data File : VN075242.D
 Acq On : 11 Nov 2022 12:53
 Operator : JC\MD
 Sample : VN1111WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/14/2022
 Supervised By : Mahesh Dadoda 11/14/2022

Quant Time: Nov 14 03:44:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	108260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	194242	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	181195	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	88590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	70562	48.374	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.740%		
35) Dibromofluoromethane	8.171	113	60806	53.325	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	106.640%		
50) Toluene-d8	10.571	98	216817	49.009	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.020%		
62) 4-Bromofluorobenzene	12.847	95	80523	51.814	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.620%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.136	85	24538	17.423	ug/l	95
3) Chloromethane	2.371	50	24570	16.425	ug/l	98
4) Vinyl Chloride	2.524	62	35216	16.502	ug/l	98
5) Bromomethane	2.918	94	32671	18.306	ug/l	100
6) Chloroethane	3.100	64	25271	16.514	ug/l	96
7) Trichlorofluoromethane	3.489	101	44060	20.211	ug/l	100
8) Diethyl Ether	3.971	74	16312	20.514	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.377	101	24925	20.703	ug/l	99
10) Methyl Iodide	4.595	142	37464	20.902	ug/l	97
11) Tert butyl alcohol	5.547	59	30132	88.580	ug/l	96
12) 1,1-Dichloroethene	4.347	96	23097	20.127	ug/l #	81
13) Acrolein	4.189	56	18903	67.938	ug/l	96
14) Allyl chloride	5.036	41	31466	18.774	ug/l	95
15) Acrylonitrile	5.730	53	70046	97.478	ug/l	100
16) Acetone	4.447	43	57089	92.431	ug/l	98
17) Carbon Disulfide	4.712	76	55004	19.060	ug/l #	90
18) Methyl Acetate	5.042	43	39213	19.436	ug/l	93
19) Methyl tert-butyl Ether	5.806	73	84065	19.709	ug/l	98
20) Methylene Chloride	5.289	84	29892	21.706	ug/l	90
21) trans-1,2-Dichloroethene	5.800	96	25602	20.376	ug/l	96
22) Diisopropyl ether	6.683	45	70803	19.142	ug/l	100
23) Vinyl Acetate	6.612	43	286463m	92.747	ug/l	
24) 1,1-Dichloroethane	6.583	63	45592	19.490	ug/l	99
25) 2-Butanone	7.494	43	91052	93.725	ug/l	98
26) 2,2-Dichloropropane	7.494	77	40566	18.850	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	30510	20.333	ug/l	97
28) Bromochloromethane	7.818	49	18982	19.249	ug/l	94
29) Tetrahydrofuran	7.847	42	59158	94.236	ug/l	100
30) Chloroform	7.971	83	51288	20.193	ug/l	99
31) Cyclohexane	8.265	56	41083	18.937	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	46293	20.071	ug/l	94
36) 1,1-Dichloropropene	8.371	75	35785	20.270	ug/l	97
37) Ethyl Acetate	7.571	43	36763	18.989	ug/l	96
38) Carbon Tetrachloride	8.365	117	40699	20.958	ug/l	93
39) Methylcyclohexane	9.606	83	46598	19.994	ug/l	99
40) Benzene	8.612	78	114643	21.209	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	17789	19.178	ug/l	94
42) 1,2-Dichloroethane	8.677	62	40925	20.810	ug/l	99
43) Isopropyl Acetate	8.694	43	56069	18.670	ug/l	96
44) Trichloroethene	9.353	130	29755	21.941	ug/l	100
45) 1,2-Dichloropropane	9.624	63	27057	21.034	ug/l	100
46) Dibromomethane	9.712	93	21066	21.020	ug/l	97
47) Bromodichloromethane	9.888	83	39971	20.595	ug/l	95
48) Methyl methacrylate	9.682	41	26041	18.904	ug/l	98
49) 1,4-Dioxane	9.694	88	15300	424.140	ug/l #	85
51) 4-Methyl-2-Pentanone	10.447	43	182301	94.071	ug/l	98
52) Toluene	10.629	92	75750	20.964	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	41161	20.093	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	44777	20.609	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	30312	21.157	ug/l #	91
56) Ethyl methacrylate	10.876	69	43539	19.923	ug/l	96
57) 1,3-Dichloropropane	11.165	76	49711	20.835	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	82518	97.669	ug/l	97
59) 2-Hexanone	11.200	43	140149	95.287	ug/l	100
60) Dibromochloromethane	11.359	129	31397	20.771	ug/l	100
61) 1,2-Dibromoethane	11.471	107	31365	21.362	ug/l	99
64) Tetrachloroethene	11.106	164	27664	24.903	ug/l	98
65) Chlorobenzene	11.894	112	80399	20.787	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.959	131	29805	20.774	ug/l	99
67) Ethyl Benzene	11.965	91	140839	20.240	ug/l	98
68) m/p-Xylenes	12.070	106	114396	40.972	ug/l	100
69) o-Xylene	12.400	106	54362	19.688	ug/l	99
70) Styrene	12.412	104	90121	20.469	ug/l	99
71) Bromoform	12.582	173	21558	20.069	ug/l #	99
73) Isopropylbenzene	12.694	105	142184	19.992	ug/l	97
74) N-amyl acetate	12.494	43	50206	19.087	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	45161	19.703	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	40257m	21.402	ug/l	
77) Bromobenzene	12.982	156	33333	21.285	ug/l	94
78) n-propylbenzene	13.035	91	163772	20.510	ug/l	100
79) 2-Chlorotoluene	13.123	91	99510	20.394	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	124360	20.818	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	13330	18.191	ug/l	95
82) 4-Chlorotoluene	13.123	91	99510	20.394	ug/l	99
83) tert-Butylbenzene	13.441	119	107152	20.187	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	126034	20.853	ug/l	99
85) sec-Butylbenzene	13.617	105	151940	20.462	ug/l	99
86) p-Isopropyltoluene	13.729	119	128004	20.873	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	65291	21.294	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	65358	21.538	ug/l	100
89) n-Butylbenzene	14.059	91	102848	20.827	ug/l	99
90) Hexachloroethane	14.335	117	20741	18.447	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	64808	21.261	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	8652	18.035	ug/l	89
93) 1,2,4-Trichlorobenzene	15.394	180	30047	22.907	ug/l	98
94) Hexachlorobutadiene	15.506	225	13960	21.831	ug/l	98
95) Naphthalene	15.641	128	105496	20.914	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	29153	22.368	ug/l	99

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

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