

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102722\
 Data File : VN075034.D
 Acq On : 27 Oct 2022 12:22
 Operator : JC\MD
 Sample : VN1027WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1027WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/28/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 28 02:13:05 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	103377	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	192241	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	175669	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	83578	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	72764	52.240	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.480%			
35) Dibromofluoromethane	8.177	113	57542	50.987	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.980%			
50) Toluene-d8	10.571	98	224072	51.176	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.360%			
62) 4-Bromofluorobenzene	12.853	95	79002	51.364	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.720%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	26372	19.610	ug/l	96
3) Chloromethane	2.371	50	32679	22.877	ug/l	97
4) Vinyl Chloride	2.524	62	43745	21.467	ug/l	94
5) Bromomethane	2.942	94	35603	21.651	ug/l	96
6) Chloroethane	3.112	64	29769	20.372	ug/l	91
7) Trichlorofluoromethane	3.506	101	42651	20.489	ug/l	96
8) Diethyl Ether	3.971	74	15040	19.808	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.383	101	22848	19.874	ug/l	98
10) Methyl Iodide	4.595	142	35425	20.698	ug/l	95
11) Tert butyl alcohol	5.536	59	33943	104.496	ug/l	99
12) 1,1-Dichloroethene	4.353	96	22182	20.242	ug/l	98
13) Acrolein	4.189	56	24840	93.493	ug/l	97
14) Allyl chloride	5.036	41	29294	18.304	ug/l	90
15) Acrylonitrile	5.736	53	73323	106.858	ug/l	99
16) Acetone	4.447	43	63676	107.965	ug/l	96
17) Carbon Disulfide	4.724	76	53462	19.401	ug/l	97
18) Methyl Acetate	5.036	43	40837	21.198	ug/l	100
19) Methyl tert-butyl Ether	5.812	73	81542	20.021	ug/l	98
20) Methylene Chloride	5.283	84	26843	20.413	ug/l #	90
21) trans-1,2-Dichloroethene	5.800	96	23310	19.428	ug/l	94
22) Diisopropyl ether	6.683	45	71702	20.301	ug/l	92
23) Vinyl Acetate	6.612	43	300038m	101.730	ug/l	
24) 1,1-Dichloroethane	6.577	63	44760	20.038	ug/l	96
25) 2-Butanone	7.494	43	99393	107.143	ug/l	93
26) 2,2-Dichloropropane	7.506	77	42257	20.563	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	28749	20.064	ug/l	98
28) Bromochloromethane	7.824	49	19479	20.686	ug/l	97
29) Tetrahydrofuran	7.847	42	65423	109.138	ug/l	99
30) Chloroform	7.977	83	48023	19.801	ug/l	100
31) Cyclohexane	8.265	56	39859	19.241	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	44135	20.039	ug/l	98
36) 1,1-Dichloropropene	8.377	75	34953	20.005	ug/l	97
37) Ethyl Acetate	7.571	43	39973	20.862	ug/l	98
38) Carbon Tetrachloride	8.371	117	37306	19.411	ug/l	98
39) Methylcyclohexane	9.606	83	44826	19.434	ug/l	99
40) Benzene	8.612	78	107423	20.080	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	18891	20.578	ug/l	97
42) 1,2-Dichloroethane	8.677	62	39973	20.538	ug/l	99
43) Isopropyl Acetate	8.694	43	63323	21.305	ug/l	97
44) Trichloroethene	9.359	130	26436	19.697	ug/l	99
45) 1,2-Dichloropropane	9.630	63	27190	21.357	ug/l	99
46) Dibromomethane	9.712	93	19959	20.123	ug/l	96
47) Bromodichloromethane	9.894	83	38405	19.994	ug/l	95
48) Methyl methacrylate	9.682	41	27632	20.267	ug/l	99
49) 1,4-Dioxane	9.700	88	15312	428.891	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	204349	106.546	ug/l	98
52) Toluene	10.635	92	72302	20.218	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	41236	20.339	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	42461	19.746	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	27749	19.570	ug/l #	84
56) Ethyl methacrylate	10.876	69	44000	20.343	ug/l	97
57) 1,3-Dichloropropane	11.165	76	48004	20.329	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	83086	99.365	ug/l	98
59) 2-Hexanone	11.200	43	157018	107.868	ug/l	99
60) Dibromochloromethane	11.359	129	29417	19.664	ug/l	100
61) 1,2-Dibromoethane	11.471	107	28569	19.660	ug/l	97
64) Tetrachloroethene	11.106	164	21590	20.046	ug/l	96
65) Chlorobenzene	11.894	112	77043	20.546	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	26730	19.217	ug/l	97
67) Ethyl Benzene	11.965	91	137431	20.372	ug/l	95
68) m/p-Xylenes	12.076	106	109292	40.375	ug/l	97
69) o-Xylene	12.400	106	55013	20.550	ug/l	97
70) Styrene	12.412	104	85905	20.126	ug/l	97
71) Bromoform	12.582	173	20157	19.355	ug/l #	98
73) Isopropylbenzene	12.700	105	138293	20.611	ug/l	99
74) N-amyl acetate	12.494	43	53662	21.624	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	45933	21.557	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	42072m	23.708	ug/l	
77) Bromobenzene	12.982	156	30264	20.485	ug/l	96
78) n-propylbenzene	13.035	91	158663	21.062	ug/l	98
79) 2-Chlorotoluene	13.129	91	94900	20.615	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	118049	20.947	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	13901	20.108	ug/l	98
82) 4-Chlorotoluene	13.129	91	94900	20.615	ug/l	99
83) tert-Butylbenzene	13.441	119	103272	20.623	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	119319	20.926	ug/l	99
85) sec-Butylbenzene	13.617	105	144749	20.663	ug/l	99
86) p-Isopropyltoluene	13.729	119	117873	20.374	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	58592	20.255	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	56047	19.577	ug/l	98
89) n-Butylbenzene	14.059	91	94350	20.252	ug/l	98
90) Hexachloroethane	14.335	117	21019	19.815	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	58202	20.239	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	9545	21.090	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	22707	18.349	ug/l	97
94) Hexachlorobutadiene	15.500	225	11501	19.064	ug/l	98
95) Naphthalene	15.641	128	92431	19.423	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	23270	18.925	ug/l	98

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

