

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082622\
 Data File : VN074137.D
 Acq On : 26 Aug 2022 15:43
 Operator : JC\MD
 Sample : VN0826SBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/07/2022
 Supervised By : Mahesh Dadoda 09/08/2022

Quant Time: Aug 27 00:20:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 06:44:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	460104	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	721884	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	651359	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	318518	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	279564	62.383	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 124.760%	
35) Dibromofluoromethane	7.951	113	250813	58.750	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 117.500%	
50) Toluene-d8	10.381	98	878061	53.106	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.220%	
62) 4-Bromofluorobenzene	12.675	95	307452	56.029	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 112.060%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	84586	23.185	ug/l	98
3) Chloromethane	2.263	50	80736	19.901	ug/l	97
4) Vinyl Chloride	2.405	62	109537	21.032	ug/l	100
5) Bromomethane	2.799	94	58210	17.898	ug/l	95
6) Chloroethane	2.963	64	72063	19.586	ug/l	98
7) Trichlorofluoromethane	3.316	101	157528	23.447	ug/l	100
8) Diethyl Ether	3.763	74	56092	22.491	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.134	101	83626	21.427	ug/l	95
10) Methyl Iodide	4.352	142	66693	14.234	ug/l	99
11) Tert butyl alcohol	5.299	59	128139	127.830	ug/l	99
12) 1,1-Dichloroethene	4.110	96	78241	21.546	ug/l	90
13) Acrolein	3.981	56	54029	77.003	ug/l	97
14) Allyl chloride	4.757	41	128369	23.869	ug/l	94
15) Acrylonitrile	5.475	53	334379	136.631	ug/l	99
16) Acetone	4.222	43	273277	129.254	ug/l	100
17) Carbon Disulfide	4.452	76	191436	22.172	ug/l	98
18) Methyl Acetate	4.775	43	150117	27.252	ug/l	100
19) Methyl tert-butyl Ether	5.534	73	292118	22.336	ug/l	96
20) Methylene Chloride	5.016	84	101863	22.832	ug/l	95
21) trans-1,2-Dichloroethene	5.510	96	86591	21.644	ug/l	97
22) Diisopropyl ether	6.410	45	279483	24.510	ug/l	98
23) Vinyl Acetate	6.351	43	1200519	122.858	ug/l	99
24) 1,1-Dichloroethane	6.304	63	167919	23.658	ug/l	97
25) 2-Butanone	7.263	43	456946	136.305	ug/l	100
26) 2,2-Dichloropropane	7.245	77	127046	19.052	ug/l	99
27) cis-1,2-Dichloroethene	7.251	96	107605	21.800	ug/l	96
28) Bromochloromethane	7.587	49	70800	27.046	ug/l	98
29) Tetrahydrofuran	7.610	42	296407	137.832	ug/l	99
30) Chloroform	7.745	83	182732	23.024	ug/l	99
31) Cyclohexane	8.022	56	142727	22.847	ug/l	96
32) 1,1,1-Trichloroethane	7.945	97	153520	21.812	ug/l	97
36) 1,1-Dichloropropene	8.151	75	119882	20.217	ug/l	99
37) Ethyl Acetate	7.340	43	169634	23.614	ug/l	98
38) Carbon Tetrachloride	8.140	117	130386	19.237	ug/l	99
39) Methylcyclohexane	9.398	83	141598	19.058	ug/l	98
40) Benzene	8.392	78	397986	21.265	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.569	41	84561	26.047	ug/l #	88
42) 1,2-Dichloroethane	8.469	62	136348	21.188	ug/l	98
43) Isopropyl Acetate	8.498	43	222720	21.763	ug/l	98
44) Trichloroethene	9.151	130	101828	18.838	ug/l	95
45) 1,2-Dichloropropane	9.428	63	101986	22.735	ug/l	98
46) Dibromomethane	9.516	93	71352	20.922	ug/l	94
47) Bromodichloromethane	9.704	83	139145	21.346	ug/l	98
48) Methyl methacrylate	9.498	41	98072	22.396	ug/l	92
49) 1,4-Dioxane	9.510	88	65882	505.927	ug/l	97
51) 4-Methyl-2-Pentanone	10.269	43	836705	120.926	ug/l	99
52) Toluene	10.445	92	252126	19.646	ug/l	99
53) t-1,3-Dichloropropene	10.663	75	132871	19.425	ug/l	99
54) cis-1,3-Dichloropropene	10.128	75	151359	20.224	ug/l	95
55) 1,1,2-Trichloroethane	10.839	97	106689	21.372	ug/l	97
56) Ethyl methacrylate	10.704	69	157124	22.068	ug/l	95
57) 1,3-Dichloropropane	10.986	76	177257	21.839	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.981	63	300454	88.176	ug/l	100
59) 2-Hexanone	11.028	43	657945	123.557	ug/l	99
60) Dibromochloromethane	11.181	129	112013	20.290	ug/l	99
61) 1,2-Dibromoethane	11.286	107	107270	20.090	ug/l	98
64) Tetrachloroethene	10.916	164	89792	17.466	ug/l	97
65) Chlorobenzene	11.710	112	273744	19.775	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.786	131	102683	19.589	ug/l	99
67) Ethyl Benzene	11.786	91	456405	19.825	ug/l	100
68) m/p-Xylenes	11.892	106	361981	38.699	ug/l	100
69) o-Xylene	12.222	106	178546	19.035	ug/l	100
70) Styrene	12.233	104	295840	20.145	ug/l	98
71) Bromoform	12.398	173	88391	18.886	ug/l #	99
73) Isopropylbenzene	12.522	105	452997	19.531	ug/l	99
74) N-amyl acetate	12.333	43	176904	20.176	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.769	83	176803	22.716	ug/l	97
76) 1,2,3-Trichloropropane	12.822	75	126328m	19.082	ug/l	
77) Bromobenzene	12.798	156	120993	19.273	ug/l	97
78) n-propylbenzene	12.863	91	510078	20.632	ug/l	100
79) 2-Chlorotoluene	12.951	91	320471	20.800	ug/l	98
80) 1,3,5-Trimethylbenzene	12.998	105	385454	20.432	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.569	75	46759	20.088	ug/l	97
82) 4-Chlorotoluene	13.045	91	306821	20.967	ug/l	98
83) tert-Butylbenzene	13.263	119	336797	19.401	ug/l	99
84) 1,2,4-Trimethylbenzene	13.310	105	384399	20.404	ug/l	100
85) sec-Butylbenzene	13.439	105	460665	20.471	ug/l	99
86) p-Isopropyltoluene	13.557	119	383102	19.984	ug/l	100
87) 1,3-Dichlorobenzene	13.557	146	209852	19.275	ug/l	99
88) 1,4-Dichlorobenzene	13.633	146	206775	18.741	ug/l	98
89) n-Butylbenzene	13.880	91	281444	18.535	ug/l	98
90) Hexachloroethane	14.151	117	69234	19.757	ug/l	92
91) 1,2-Dichlorobenzene	13.927	146	220843	19.643	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.539	75	37417	20.361	ug/l	94
93) 1,2,4-Trichlorobenzene	15.198	180	118004	17.246	ug/l	99
94) Hexachlorobutadiene	15.304	225	65551	18.173	ug/l	97
95) Naphthalene	15.439	128	406775	18.235	ug/l	100
96) 1,2,3-Trichlorobenzene	15.627	180	130996	18.522	ug/l	98

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

