

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022724\
 Data File : VN081212.D
 Acq On : 27 Feb 2024 12:22
 Operator : JC\MD
 Sample : VN0227WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0227WBS02

Quant Time: Feb 28 04:14:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/28/2024
 Supervised By : Semsettin Yesilyurt 02/28/2024

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	284535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	527160	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	474747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	212817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	167387	47.995	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.980%		
35) Dibromofluoromethane	8.165	113	143394	48.104	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.200%		
50) Toluene-d8	10.570	98	468345	44.236	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.480%		
62) 4-Bromofluorobenzene	12.853	95	183246	46.062	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.120%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	76649	20.830	ug/l	97
3) Chloromethane	2.359	50	72701	17.337	ug/l	99
4) Vinyl Chloride	2.512	62	81358	19.905	ug/l #	89
5) Bromomethane	2.959	94	51767	17.832	ug/l	82
6) Chloroethane	3.124	64	56594	20.902	ug/l	94
7) Trichlorofluoromethane	3.500	101	128664	21.548	ug/l	91
8) Diethyl Ether	3.959	74	44992	20.609	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.371	101	71610	21.513	ug/l	92
10) Methyl Iodide	4.594	142	64419	17.337	ug/l	97
11) Tert butyl alcohol	5.512	59	64871	101.142	ug/l #	94
12) 1,1-Dichloroethene	4.347	96	65725	20.426	ug/l #	78
13) Acrolein	4.177	56	31440	91.457	ug/l	97
14) Allyl chloride	5.024	41	93014	19.482	ug/l #	69
15) Acrylonitrile	5.718	53	185094	110.498	ug/l	99
16) Acetone	4.430	43	135599	98.812	ug/l	96
17) Carbon Disulfide	4.712	76	158530	17.664	ug/l	99
18) Methyl Acetate	5.024	43	83203	24.854	ug/l #	90
19) Methyl tert-butyl Ether	5.794	73	235477	21.367	ug/l	100
20) Methylene Chloride	5.283	84	77014	21.157	ug/l	91
21) trans-1,2-Dichloroethene	5.788	96	69728	19.423	ug/l	92
22) Diisopropyl ether	6.677	45	233939	21.601	ug/l #	95
23) Vinyl Acetate	6.606	43	907355m	103.261	ug/l	
24) 1,1-Dichloroethane	6.565	63	134118	21.417	ug/l	99
25) 2-Butanone	7.482	43	236631	106.736	ug/l	100
26) 2,2-Dichloropropane	7.500	77	120253	20.494	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	87621	21.007	ug/l	86
28) Bromochloromethane	7.818	49	57847	22.282	ug/l #	67
29) Tetrahydrofuran	7.841	42	159726	107.927	ug/l	90
30) Chloroform	7.965	83	147487	22.154	ug/l	98
31) Cyclohexane	8.259	56	117738	19.551	ug/l #	75
32) 1,1,1-Trichloroethane	8.171	97	130586	21.538	ug/l	87
36) 1,1-Dichloropropene	8.376	75	105698	20.697	ug/l	98
37) Ethyl Acetate	7.559	43	99312	21.547	ug/l	98
38) Carbon Tetrachloride	8.365	117	105759	20.469	ug/l	92
39) Methylcyclohexane	9.600	83	119172	20.018	ug/l	88
40) Benzene	8.612	78	311232	21.055	ug/l	94

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41) Methacrylonitrile	7.782	41	54286	20.695	ug/l	95
42) 1,2-Dichloroethane	8.676	62	106265	20.605	ug/l	99
43) Isopropyl Acetate	8.688	43	172483	21.397	ug/l	97
44) Trichloroethene	9.359	130	78317	19.892	ug/l	98
45) 1,2-Dichloropropane	9.623	63	78226	21.156	ug/l	96
46) Dibromomethane	9.712	93	54946	20.394	ug/l	92
47) Bromodichloromethane	9.888	83	111150	21.783	ug/l #	99
48) Methyl methacrylate	9.682	41	75688	20.179	ug/l	89
49) 1,4-Dioxane	9.700	88	32556	449.696	ug/l #	85
51) 4-Methyl-2-Pentanone	10.447	43	514422	110.936	ug/l	96
52) Toluene	10.635	92	199436	21.311	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	115735	20.411	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	125119	20.423	ug/l	91
55) 1,1,2-Trichloroethane	11.017	97	77751	21.602	ug/l	94
56) Ethyl methacrylate	10.876	69	110747	20.132	ug/l	92
57) 1,3-Dichloropropane	11.165	76	136305	21.902	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	244246	88.493	ug/l	90
59) 2-Hexanone	11.200	43	374791	101.948	ug/l	95
60) Dibromochloromethane	11.365	129	80847	21.144	ug/l	96
61) 1,2-Dibromoethane	11.470	107	78476	20.734	ug/l	97
64) Tetrachloroethene	11.106	164	75843	23.407	ug/l	88
65) Chlorobenzene	11.894	112	209062	20.347	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.964	131	80303	21.759	ug/l	95
67) Ethyl Benzene	11.964	91	375859	20.443	ug/l	99
68) m/p-Xylenes	12.076	106	287842	40.844	ug/l	94
69) o-Xylene	12.400	106	134705	19.283	ug/l	99
70) Styrene	12.412	104	232044	20.962	ug/l	96
71) Bromoform	12.582	173	48789	20.837	ug/l #	99
73) Isopropylbenzene	12.700	105	376754	20.234	ug/l	99
74) N-amyl acetate	12.494	43	145064	18.434	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	106636	20.367	ug/l	97
76) 1,2,3-Trichloropropane	13.000	75	103597m	21.425	ug/l	
77) Bromobenzene	12.982	156	79099	19.052	ug/l	79
78) n-propylbenzene	13.035	91	436320	20.355	ug/l	97
79) 2-Chlorotoluene	13.129	91	259485	19.736	ug/l	95
80) 1,3,5-Trimethylbenzene	13.176	105	310211	20.548	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	35401	18.844	ug/l	91
82) 4-Chlorotoluene	13.223	91	254849	19.824	ug/l	94
83) tert-Butylbenzene	13.441	119	267298	20.476	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	310230	20.622	ug/l	98
85) sec-Butylbenzene	13.623	105	378368	20.849	ug/l	94
86) p-Isopropyltoluene	13.729	119	306129	20.309	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	154039	19.636	ug/l	94
88) 1,4-Dichlorobenzene	13.817	146	155929	20.229	ug/l	98
89) n-Butylbenzene	14.058	91	271900	20.705	ug/l	97
90) Hexachloroethane	14.335	117	50237	20.162	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	150202	19.852	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	21603	19.845	ug/l	86
93) 1,2,4-Trichlorobenzene	15.394	180	82936	19.649	ug/l	98
94) Hexachlorobutadiene	15.505	225	31576	20.058	ug/l	94
95) Naphthalene	15.647	128	282483	18.263	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	83317	19.897	ug/l	99

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

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