

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021624\
 Data File : VN081059.D
 Acq On : 16 Feb 2024 17:42
 Operator : JC\MD
 Sample : VN0216WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0216WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/17/2024
 Supervised By : Semsettin Yesilyurt 02/20/2024

Quant Time: Feb 16 23:48:54 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

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	363637	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	678003	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	608743	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	258348	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	218531	49.029	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.060%		
35) Dibromofluoromethane	8.171	113	186954	48.763	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.520%		
50) Toluene-d8	10.571	98	650372	47.762	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.520%		
62) 4-Bromofluorobenzene	12.853	95	248513	48.570	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.140%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	97584	20.751	ug/l	96
3) Chloromethane	2.365	50	97107	18.174	ug/l	95
4) Vinyl Chloride	2.512	62	101550	19.441	ug/l	90
5) Bromomethane	2.953	94	69675	18.780	ug/l	84
6) Chloroethane	3.118	64	70476	20.344	ug/l	98
7) Trichlorofluoromethane	3.501	101	152144	19.937	ug/l	88
8) Diethyl Ether	3.959	74	54969	19.702	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.371	101	83810	19.701	ug/l	93
10) Methyl Iodide	4.589	142	91723	19.316	ug/l	97
11) Tert butyl alcohol	5.518	59	84127	102.632	ug/l	99
12) 1,1-Dichloroethene	4.342	96	78662	19.129	ug/l	97
13) Acrolein	4.177	56	52713	119.983	ug/l	92
14) Allyl chloride	5.024	41	113222	18.556	ug/l #	90
15) Acrylonitrile	5.718	53	214220	100.067	ug/l	98
16) Acetone	4.430	43	169688	96.755	ug/l	98
17) Carbon Disulfide	4.712	76	209553	18.270	ug/l #	95
18) Methyl Acetate	5.030	43	90533	21.161	ug/l #	90
19) Methyl tert-butyl Ether	5.800	73	270024	19.172	ug/l	97
20) Methylene Chloride	5.277	84	89398	19.130	ug/l	92
21) trans-1,2-Dichloroethene	5.789	96	87160	18.997	ug/l	84
22) Diisopropyl ether	6.677	45	269866	19.497	ug/l #	96
23) Vinyl Acetate	6.606	43	1113743	99.177	ug/l #	93
24) 1,1-Dichloroethane	6.571	63	155015	19.369	ug/l	95
25) 2-Butanone	7.483	43	281111	99.216	ug/l	98
26) 2,2-Dichloropropane	7.494	77	136923	18.259	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	100463	18.846	ug/l	86
28) Bromochloromethane	7.818	49	54401	16.396	ug/l #	60
29) Tetrahydrofuran	7.841	42	190554	100.749	ug/l #	88
30) Chloroform	7.965	83	164619	19.349	ug/l	97
31) Cyclohexane	8.259	56	138508	17.997	ug/l #	79
32) 1,1,1-Trichloroethane	8.171	97	150598	19.436	ug/l #	90
36) 1,1-Dichloropropene	8.377	75	120308	18.316	ug/l	95
37) Ethyl Acetate	7.559	43	118208	19.941	ug/l #	97
38) Carbon Tetrachloride	8.365	117	125526	18.889	ug/l	96
39) Methylcyclohexane	9.606	83	142222	18.575	ug/l	89
40) Benzene	8.612	78	364788	19.187	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	64433	19.099	ug/l	95
42) 1,2-Dichloroethane	8.677	62	124708	18.801	ug/l	100
43) Isopropyl Acetate	8.688	43	203558	19.634	ug/l #	96
44) Trichloroethene	9.353	130	91719	18.113	ug/l	98
45) 1,2-Dichloropropane	9.624	63	87951	18.494	ug/l	95
46) Dibromomethane	9.712	93	65496	18.902	ug/l	90
47) Bromodichloromethane	9.888	83	125035	19.052	ug/l #	95
48) Methyl methacrylate	9.682	41	91327	18.931	ug/l	91
49) 1,4-Dioxane	9.700	88	41843	449.360	ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	606367	101.672	ug/l	96
52) Toluene	10.635	92	234425	19.477	ug/l	96
53) t-1,3-Dichloropropene	10.835	75	136772	18.754	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	150250	19.069	ug/l	92
55) 1,1,2-Trichloroethane	11.018	97	90472	19.544	ug/l	95
56) Ethyl methacrylate	10.877	69	135613	19.168	ug/l	88
57) 1,3-Dichloropropane	11.165	76	153543	19.183	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	334846	94.327	ug/l #	86
59) 2-Hexanone	11.200	43	455484	96.333	ug/l	95
60) Dibromochloromethane	11.359	129	93624	19.038	ug/l	96
61) 1,2-Dibromoethane	11.471	107	94530	19.419	ug/l	100
64) Tetrachloroethene	11.106	164	77840	18.735	ug/l	96
65) Chlorobenzene	11.894	112	244059	18.524	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.965	131	89947	19.008	ug/l	98
67) Ethyl Benzene	11.965	91	445689	18.905	ug/l	99
68) m/p-Xylenes	12.071	106	341316	37.771	ug/l	94
69) o-Xylene	12.400	106	167977	18.753	ug/l	96
70) Styrene	12.412	104	267663	18.857	ug/l	96
71) Bromoform	12.582	173	57269	19.075	ug/l #	97
73) Isopropylbenzene	12.700	105	430496	19.045	ug/l	97
74) N-amyl acetate	12.494	43	181603	19.010	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	124078	19.522	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	112017m	19.083	ug/l	
77) Bromobenzene	12.982	156	94385	18.727	ug/l	78
78) n-propylbenzene	13.035	91	493625	18.970	ug/l	95
79) 2-Chlorotoluene	13.129	91	300867	18.851	ug/l	94
80) 1,3,5-Trimethylbenzene	13.176	105	361040	19.700	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.741	75	42327	18.560	ug/l #	83
82) 4-Chlorotoluene	13.223	91	296538	19.001	ug/l	95
83) tert-Butylbenzene	13.441	119	300116	18.938	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	349545	19.140	ug/l	98
85) sec-Butylbenzene	13.618	105	425075	19.295	ug/l	93
86) p-Isopropyltoluene	13.729	119	349942	19.124	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	173118	18.179	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	174693	18.669	ug/l	97
89) n-Butylbenzene	14.059	91	296816	18.619	ug/l	97
90) Hexachloroethane	14.335	117	55219	18.256	ug/l	100
91) 1,2-Dichlorobenzene	14.112	146	169276	18.430	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	25482	19.283	ug/l	79
93) 1,2,4-Trichlorobenzene	15.394	180	95081	18.556	ug/l	98
94) Hexachlorobutadiene	15.506	225	35603	18.631	ug/l	92
95) Naphthalene	15.641	128	349963	18.638	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	94619	18.614	ug/l	99

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

