

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022024\
 Data File : VN081104.D
 Acq On : 20 Feb 2024 17:28
 Operator : JC\MD
 Sample : P1524-09MS
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 20240768-AMENDED-COMP-39N-N-3-03MS

Quant Time: Feb 21 00:22:46 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 02/21/2024
 Supervised By : Mahesh Dadoda 02/21/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	341808	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	640826	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	567131	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	268708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	185413	44.255	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.520%		
35) Dibromofluoromethane	8.230	113	1110	0.306	ug/l	0.06
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.620%#		
50) Toluene-d8	10.571	98	528932	41.097	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	82.200%#		
62) 4-Bromofluorobenzene	12.847	95	204126	42.209	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	84.420%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	225212	50.949	ug/l	90
3) Chloromethane	2.359	50	220853	45.685	ug/l	100
4) Vinyl Chloride	2.512	62	246632	50.230	ug/l	92
5) Bromomethane	2.954	94	90747	26.021	ug/l	93
6) Chloroethane	3.118	64	164605	51.883	ug/l	99
7) Trichlorofluoromethane	3.495	101	359153	50.069	ug/l	96
8) Diethyl Ether	3.959	74	139586	53.226	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.377	101	196663	49.181	ug/l	90
10) Methyl Iodide	4.583	142	115612	25.902	ug/l	98
11) Tert butyl alcohol	5.524	59	294955	382.816	ug/l	99
12) 1,1-Dichloroethene	4.342	96	287772	74.448	ug/l	89
13) Acrolein	4.171	56	2815m	6.817	ug/l	
14) Allyl chloride	5.024	41	149367	26.043	ug/l #	94
15) Acrylonitrile	5.718	53	475780	236.441	ug/l	99
16) Acetone	4.424	43	397570	241.168	ug/l	97
17) Carbon Disulfide	4.712	76	295527	27.411	ug/l #	95
18) Methyl Acetate	5.024	43	1655m	0.412	ug/l	
19) Methyl tert-butyl Ether	5.800	73	718435	54.267	ug/l	95
20) Methylene Chloride	5.271	84	242579	57.011	ug/l	90
21) trans-1,2-Dichloroethene	5.783	96	212762	49.335	ug/l	94
22) Diisopropyl ether	6.677	45	667223	51.284	ug/l #	95
23) Vinyl Acetate	6.671	43	351196	33.271	ug/l #	77
24) 1,1-Dichloroethane	6.571	63	403315	53.613	ug/l	99
25) 2-Butanone	7.483	43	692074	259.863	ug/l	93
26) 2,2-Dichloropropane	7.489	77	335508	47.599	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	258266	51.544	ug/l	88
28) Bromochloromethane	7.812	49	173611	55.668	ug/l #	68
29) Tetrahydrofuran	7.836	42	506250	284.757	ug/l #	87
30) Chloroform	7.971	83	424478	53.078	ug/l	94
31) Cyclohexane	8.259	56	325595	45.008	ug/l #	80
32) 1,1,1-Trichloroethane	8.171	97	371141	50.957	ug/l	95
36) 1,1-Dichloropropene	8.371	75	295967	47.674	ug/l	96
37) Ethyl Acetate	7.483	43	692074	123.521	ug/l #	33
38) Carbon Tetrachloride	8.365	117	279601	44.516	ug/l	94
39) Methylcyclohexane	9.600	83	340468	47.046	ug/l	88
40) Benzene	8.606	78	930833	51.801	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	171061	53.646	ug/l	95
42) 1,2-Dichloroethane	8.671	62	319576	50.975	ug/l	98
43) Isopropyl Acetate	8.659	43	39423	4.023	ug/l #	1
44) Trichloroethene	9.353	130	427848	89.395	ug/l	99
45) 1,2-Dichloropropane	9.624	63	229367	51.028	ug/l	100
46) Dibromomethane	9.712	93	171018	52.218	ug/l	90
47) Bromodichloromethane	9.888	83	250211	40.338	ug/l #	95
48) Methyl methacrylate	9.606	41	270139	59.246	ug/l #	58
49) 1,4-Dioxane	9.700	88	100530	1206.370	ug/l #	81
51) 4-Methyl-2-Pentanone	10.447	43	1569957	278.512	ug/l	94
52) Toluene	10.635	92	568699	49.991	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	241588	35.049	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	139344	18.711	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	105028	24.004	ug/l	95
57) 1,3-Dichloropropane	11.165	76	396517	52.412	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	809146	241.162	ug/l #	86
59) 2-Hexanone	11.200	43	1140951	255.304	ug/l	94
60) Dibromochloromethane	11.359	129	201748	43.404	ug/l	97
61) 1,2-Dibromoethane	11.471	107	232970	50.634	ug/l	98
64) Tetrachloroethene	11.106	164	313546	81.005	ug/l	92
65) Chlorobenzene	11.894	112	604776	49.271	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	198927	45.122	ug/l	97
67) Ethyl Benzene	11.965	91	1087543	49.515	ug/l	98
68) m/p-Xylenes	12.071	106	831253	98.737	ug/l	96
69) o-Xylene	12.400	106	410328	49.169	ug/l	95
70) Styrene	12.412	104	685228	51.817	ug/l	97
71) Bromoform	12.582	173	135571	48.469	ug/l #	97
73) Isopropylbenzene	12.700	105	1047784	44.567	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.994	83	8584	1.298	ug/l #	90
76) 1,2,3-Trichloropropane	12.994	75	272751m	44.675	ug/l	
77) Bromobenzene	12.982	156	244226	46.589	ug/l	71
78) n-propylbenzene	13.035	91	1231848	45.515	ug/l	95
79) 2-Chlorotoluene	13.129	91	747096	45.004	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	892568	46.825	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	8585m	3.619	ug/l	
82) 4-Chlorotoluene	13.223	91	734952	45.278	ug/l	94
83) tert-Butylbenzene	13.441	119	753474	45.714	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	899321	47.346	ug/l	96
85) sec-Butylbenzene	13.618	105	1081054	47.179	ug/l	94
86) p-Isopropyltoluene	13.729	119	900152	47.295	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	469624	47.414	ug/l	94
88) 1,4-Dichlorobenzene	13.812	146	469247	48.214	ug/l	97
89) n-Butylbenzene	14.059	91	791172	47.715	ug/l	97
90) Hexachloroethane	14.335	117	139272	44.270	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	464646	48.639	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.717	75	35584	25.889	ug/l	81
93) 1,2,4-Trichlorobenzene	15.394	180	268456	50.372	ug/l	98
94) Hexachlorobutadiene	15.506	225	92437	46.506	ug/l	97
95) Naphthalene	15.641	128	1030223	52.751	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	268890	50.859	ug/l	98

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