

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072624\
 Data File : VN083044.D
 Acq On : 26 Jul 2024 12:09
 Operator : JC\MD
 Sample : VN0726WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/29/2024
 Supervised By : Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 23:03:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	150616	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	257518	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	242502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	112917	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114261	54.118	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.240%			
35) Dibromofluoromethane	8.165	113	88836	53.761	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.520%			
50) Toluene-d8	10.565	98	299996	49.154	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.300%			
62) 4-Bromofluorobenzene	12.853	95	95444	43.535	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 87.080%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	34841	17.868	ug/l	95
3) Chloromethane	2.359	50	30083	16.268	ug/l	96
4) Vinyl Chloride	2.518	62	32923	16.952	ug/l	96
5) Bromomethane	2.965	94	25814	18.435	ug/l	89
6) Chloroethane	3.124	64	28441	21.399	ug/l	90
7) Trichlorofluoromethane	3.501	101	59543	21.316	ug/l	92
8) Diethyl Ether	3.959	74	20033	20.955	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.371	101	34651	21.917	ug/l	99
10) Methyl Iodide	4.589	142	31250	19.280	ug/l	98
11) Tert butyl alcohol	5.530	59	39984	112.595	ug/l #	85
12) 1,1-Dichloroethene	4.348	96	29754	19.352	ug/l #	74
13) Acrolein	4.183	56	23867	93.091	ug/l	97
14) Allyl chloride	5.030	41	42927	17.906	ug/l #	89
15) Acrylonitrile	5.718	53	90935	111.425	ug/l	99
16) Acetone	4.436	43	82698	111.251	ug/l	97
17) Carbon Disulfide	4.712	76	71603	15.585	ug/l	99
18) Methyl Acetate	5.030	43	60832	30.927	ug/l #	91
19) Methyl tert-butyl Ether	5.800	73	116525	21.970	ug/l	98
20) Methylene Chloride	5.277	84	40602	22.617	ug/l	89
21) trans-1,2-Dichloroethene	5.789	96	32368	19.429	ug/l	87
22) Diisopropyl ether	6.677	45	117113	23.351	ug/l #	91
23) Vinyl Acetate	6.606	43	403396	101.281	ug/l #	92
24) 1,1-Dichloroethane	6.565	63	70698	23.239	ug/l	99
25) 2-Butanone	7.488	43	122564	109.197	ug/l	92
26) 2,2-Dichloropropane	7.488	77	59793	21.139	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	42538	21.810	ug/l	87
28) Bromochloromethane	7.812	49	32178	24.655	ug/l #	80
29) Tetrahydrofuran	7.847	42	76865	108.779	ug/l #	86
30) Chloroform	7.965	83	77133	23.899	ug/l	100
31) Cyclohexane	8.253	56	45293	16.409	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	65886	21.987	ug/l	94
36) 1,1-Dichloropropene	8.371	75	45147	19.816	ug/l	97
37) Ethyl Acetate	7.565	43	52171	22.492	ug/l #	95
38) Carbon Tetrachloride	8.365	117	55600	20.269	ug/l	95
39) Methylcyclohexane	9.600	83	38740	15.742	ug/l	92
40) Benzene	8.606	78	152401	21.747	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	26083	20.873	ug/l #	90
42) 1,2-Dichloroethane	8.671	62	59879	23.734	ug/l	94
43) Isopropyl Acetate	8.694	43	83767	17.207	ug/l #	91
44) Trichloroethene	9.359	130	34808	19.387	ug/l	99
45) 1,2-Dichloropropane	9.618	63	39676	24.250	ug/l	100
46) Dibromomethane	9.712	93	30471	23.906	ug/l	98
47) Bromodichloromethane	9.888	83	64026	24.311	ug/l	99
48) Methyl methacrylate	9.682	41	38262	21.038	ug/l	88
49) 1,4-Dioxane	9.700	88	15294	381.276	ug/l	95
51) 4-Methyl-2-Pentanone	10.447	43	270312	117.553	ug/l	96
52) Toluene	10.629	92	93532	21.366	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	59207	21.822	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	61161	21.297	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	40838	25.369	ug/l	90
56) Ethyl methacrylate	10.877	69	52350	20.903	ug/l	93
57) 1,3-Dichloropropane	11.165	76	66603	23.374	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	124317	96.736	ug/l	98
59) 2-Hexanone	11.200	43	193540	113.206	ug/l	96
60) Dibromochloromethane	11.359	129	48935	23.867	ug/l	99
61) 1,2-Dibromoethane	11.471	107	40302	23.575	ug/l	98
64) Tetrachloroethene	11.106	164	33537	18.537	ug/l	96
65) Chlorobenzene	11.888	112	107329	20.654	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.965	131	40926	22.142	ug/l	98
67) Ethyl Benzene	11.965	91	159252	18.234	ug/l	97
68) m/p-Xylenes	12.071	106	124598	37.788	ug/l	93
69) o-Xylene	12.400	106	59119	18.712	ug/l	94
70) Styrene	12.412	104	101904	19.521	ug/l	98
71) Bromoform	12.582	173	32526	22.376	ug/l #	98
73) Isopropylbenzene	12.700	105	142680	17.389	ug/l	100
74) N-amyl acetate	12.494	43	64893	19.120	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.935	83	57721	23.489	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	48928m	25.133	ug/l	
77) Bromobenzene	12.976	156	40406	19.089	ug/l	95
78) n-propylbenzene	13.035	91	175060	18.556	ug/l	100
79) 2-Chlorotoluene	13.129	91	109341	18.190	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	120352	18.146	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	21155	21.372	ug/l	88
82) 4-Chlorotoluene	13.223	91	107914	18.138	ug/l	94
83) tert-Butylbenzene	13.441	119	98232	16.706	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	123142	18.217	ug/l	100
85) sec-Butylbenzene	13.618	105	139471	17.553	ug/l	100
86) p-Isopropyltoluene	13.729	119	114334	17.247	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	75155	19.654	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	74178	18.757	ug/l	99
89) n-Butylbenzene	14.059	91	91851	16.172	ug/l	98
90) Hexachloroethane	14.335	117	26148	18.641	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	74544	20.078	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11459	20.156	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	32789	16.396	ug/l	95
94) Hexachlorobutadiene	15.506	225	15372	17.339	ug/l	99
95) Naphthalene	15.641	128	104979	15.326	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	35823	17.421	ug/l	98

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

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