

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072424\
 Data File : VN083024.D
 Acq On : 24 Jul 2024 12:55
 Operator : JC\MD
 Sample : VN0724WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/25/2024
 Supervised By : Mahesh Dadoda 07/25/2024

Quant Time: Jul 25 02:36:40 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	164448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	279933	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	255284	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	119642	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	123037	53.373	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	106.740%
35) Dibromofluoromethane	8.165	113	97004	54.003	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.000%
50) Toluene-d8	10.571	98	341612	51.491	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.980%
62) 4-Bromofluorobenzene	12.847	95	107222	44.992	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	89.980%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.124	85	38529	18.097	ug/l 98
3) Chloromethane	2.359	50	33003	16.346	ug/l 95
4) Vinyl Chloride	2.512	62	39012	18.397	ug/l 90
5) Bromomethane	2.959	94	29514	19.304	ug/l 91
6) Chloroethane	3.124	64	30810	21.232	ug/l 98
7) Trichlorofluoromethane	3.501	101	62034	20.340	ug/l 97
8) Diethyl Ether	3.959	74	21219	20.329	ug/l 84
9) 1,1,2-Trichlorotrifluo...	4.377	101	38759	22.454	ug/l 97
10) Methyl Iodide	4.595	142	31320	17.697	ug/l # 97
11) Tert butyl alcohol	5.524	59	41502	107.040	ug/l 98
12) 1,1-Dichloroethene	4.342	96	33281	19.825	ug/l 83
13) Acrolein	4.177	56	18138	64.795	ug/l 96
14) Allyl chloride	5.018	41	45876	17.527	ug/l # 91
15) Acrylonitrile	5.718	53	95642	107.336	ug/l 99
16) Acetone	4.430	43	87394	107.680	ug/l 93
17) Carbon Disulfide	4.718	76	81076	16.162	ug/l 98
18) Methyl Acetate	5.030	43	60302	28.079	ug/l # 87
19) Methyl tert-butyl Ether	5.800	73	118516	20.466	ug/l 99
20) Methylene Chloride	5.283	84	42671	21.770	ug/l 86
21) trans-1,2-Dichloroethene	5.789	96	36282	19.946	ug/l 85
22) Diisopropyl ether	6.677	45	120436	21.993	ug/l 97
23) Vinyl Acetate	6.606	43	424271	97.563	ug/l 96
24) 1,1-Dichloroethane	6.571	63	72994	21.975	ug/l 98
25) 2-Butanone	7.483	43	129366	105.563	ug/l # 90
26) 2,2-Dichloropropane	7.494	77	66686	21.593	ug/l 96
27) cis-1,2-Dichloroethene	7.494	96	44740	21.009	ug/l 89
28) Bromochloromethane	7.812	49	30247	21.226	ug/l # 81
29) Tetrahydrofuran	7.841	42	79564	103.127	ug/l # 84
30) Chloroform	7.965	83	79205	22.477	ug/l 96
31) Cyclohexane	8.259	56	54637	18.129	ug/l 98
32) 1,1,1-Trichloroethane	8.171	97	67621	20.668	ug/l 98
36) 1,1-Dichloropropene	8.377	75	48100	19.422	ug/l 98
37) Ethyl Acetate	7.565	43	53161	21.084	ug/l # 95
38) Carbon Tetrachloride	8.365	117	59076	19.812	ug/l 98
39) Methylcyclohexane	9.600	83	44044	16.464	ug/l 91
40) Benzene	8.606	78	157828	20.718	ug/l 98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	27515	20.256	ug/l #	90
42) 1,2-Dichloroethane	8.671	62	61345	22.368	ug/l	97
43) Isopropyl Acetate	8.688	43	98955	18.973	ug/l	96
44) Trichloroethene	9.353	130	38457	19.704	ug/l	93
45) 1,2-Dichloropropane	9.624	63	40820	22.952	ug/l	94
46) Dibromomethane	9.712	93	30610	22.092	ug/l	95
47) Bromodichloromethane	9.888	83	67000	23.403	ug/l	97
48) Methyl methacrylate	9.682	41	39279	19.868	ug/l #	83
49) 1,4-Dioxane	9.694	88	17378	398.675	ug/l	99
51) 4-Methyl-2-Pentanone	10.447	43	278353	111.357	ug/l	95
52) Toluene	10.635	92	101023	21.229	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	62091	21.053	ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	64624	20.701	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	42537	24.308	ug/l	92
56) Ethyl methacrylate	10.877	69	56100	20.606	ug/l	88
57) 1,3-Dichloropropane	11.165	76	69852	22.551	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	156057	111.711	ug/l	98
59) 2-Hexanone	11.200	43	202623	109.028	ug/l	96
60) Dibromochloromethane	11.359	129	50842	22.812	ug/l	98
61) 1,2-Dibromoethane	11.471	107	41241	22.193	ug/l	100
64) Tetrachloroethene	11.106	164	35663	18.725	ug/l	92
65) Chlorobenzene	11.888	112	113057	20.667	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.959	131	43340	22.274	ug/l	99
67) Ethyl Benzene	11.965	91	175256	19.062	ug/l	94
68) m/p-Xylenes	12.071	106	134212	38.666	ug/l	97
69) o-Xylene	12.400	106	62838	18.893	ug/l	99
70) Styrene	12.412	104	111816	20.347	ug/l	98
71) Bromoform	12.576	173	32849	21.467	ug/l #	97
73) Isopropylbenzene	12.700	105	161182	18.540	ug/l	99
74) N-amyl acetate	12.494	43	70480	19.599	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	58918	22.629	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	51503m	24.969	ug/l	
77) Bromobenzene	12.982	156	43753	19.508	ug/l	96
78) n-propylbenzene	13.035	91	195454	19.554	ug/l	99
79) 2-Chlorotoluene	13.123	91	119522	18.766	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	136457	19.418	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	21916	20.896	ug/l	95
82) 4-Chlorotoluene	13.223	91	120121	19.055	ug/l	96
83) tert-Butylbenzene	13.441	119	111572	17.909	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	137006	19.128	ug/l	97
85) sec-Butylbenzene	13.618	105	157913	18.757	ug/l	100
86) p-Isopropyltoluene	13.729	119	127786	18.192	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	78045	19.263	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	80028	19.099	ug/l	99
89) n-Butylbenzene	14.059	91	107080	17.794	ug/l	97
90) Hexachloroethane	14.335	117	29139	19.605	ug/l	91
91) 1,2-Dichlorobenzene	14.106	146	78863	20.047	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10946	18.172	ug/l	92
93) 1,2,4-Trichlorobenzene	15.394	180	37394	17.647	ug/l	98
94) Hexachlorobutadiene	15.506	225	17021	18.120	ug/l	98
95) Naphthalene	15.647	128	119292	16.437	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	39606	18.179	ug/l	96

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

