

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091924\
 Data File : VN084035.D
 Acq On : 19 Sep 2024 15:39
 Operator : JC\MD
 Sample : VN0919WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/20/2024
 Supervised By : Mahesh Dadoda 09/20/2024

Quant Time: Sep 20 01:31:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	133964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	240706	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	211885	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	99185	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	107133	53.036	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	106.080%
35) Dibromofluoromethane	8.165	113	75443	48.958	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.920%
50) Toluene-d8	10.565	98	264199	49.594	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.180%
62) 4-Bromofluorobenzene	12.847	95	102422	46.600	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.200%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	28960	18.614	ug/l	99
3) Chloromethane	2.359	50	30608	18.088	ug/l	98
4) Vinyl Chloride	2.512	62	30623	17.958	ug/l	99
5) Bromomethane	2.953	94	19821	20.244	ug/l	90
6) Chloroethane	3.118	64	21123	17.659	ug/l	95
7) Trichlorofluoromethane	3.495	101	55187	19.065	ug/l	95
8) Diethyl Ether	3.965	74	20840	21.478	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	28851	18.804	ug/l	95
10) Methyl Iodide	4.594	142	37041	18.983	ug/l #	94
11) Tert butyl alcohol	5.524	59	37737	139.511	ug/l	100
12) 1,1-Dichloroethene	4.342	96	27905	19.259	ug/l	94
13) Acrolein	4.189	56	20844	78.100	ug/l	90
14) Allyl chloride	5.030	41	54736	21.200	ug/l	98
15) Acrylonitrile	5.718	53	88146	119.826	ug/l	97
16) Acetone	4.430	43	86767	107.151	ug/l	98
17) Carbon Disulfide	4.712	76	67652	16.691	ug/l	97
18) Methyl Acetate	5.018	43	44849	25.680	ug/l	97
19) Methyl tert-butyl Ether	5.800	73	116649	22.247	ug/l	98
20) Methylene Chloride	5.277	84	33193	20.031	ug/l	89
21) trans-1,2-Dichloroethene	5.789	96	29138	18.764	ug/l	96
22) Diisopropyl ether	6.671	45	116933	22.001	ug/l	97
23) Vinyl Acetate	6.600	43	445157	114.374	ug/l	98
24) 1,1-Dichloroethane	6.571	63	62796	20.508	ug/l	99
25) 2-Butanone	7.483	43	126779	119.119	ug/l	99
26) 2,2-Dichloropropane	7.483	77	52494	18.616	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	37063	20.106	ug/l	96
28) Bromochloromethane	7.812	49	28243	21.903	ug/l	94
29) Tetrahydrofuran	7.841	42	81034	128.765	ug/l	96
30) Chloroform	7.965	83	67747	20.841	ug/l	98
31) Cyclohexane	8.259	56	50337	17.242	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	60435	20.219	ug/l	100
36) 1,1-Dichloropropene	8.371	75	42595	18.365	ug/l	99
37) Ethyl Acetate	7.565	43	52186	24.788	ug/l	98
38) Carbon Tetrachloride	8.359	117	50483	19.185	ug/l	95
39) Methylcyclohexane	9.606	83	45796	17.347	ug/l	97
40) Benzene	8.606	78	135775	19.449	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	28823	23.147	ug/l	98
42) 1,2-Dichloroethane	8.671	62	54538	20.907	ug/l	100
43) Isopropyl Acetate	8.688	43	97168	25.469	ug/l	96
44) Trichloroethene	9.347	130	32030	19.813	ug/l	97
45) 1,2-Dichloropropane	9.618	63	34335	20.349	ug/l	98
46) Dibromomethane	9.712	93	25312	21.418	ug/l	97
47) Bromodichloromethane	9.888	83	54832	21.438	ug/l	94
48) Methyl methacrylate	9.682	41	41085	22.698	ug/l	96
49) 1,4-Dioxane	9.694	88	14878	499.661	ug/l #	96
51) 4-Methyl-2-Pentanone	10.447	43	263438	126.851	ug/l	97
52) Toluene	10.629	92	82720	19.372	ug/l	96
53) t-1,3-Dichloropropene	10.835	75	53033	20.456	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	56287	20.669	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	33432	20.972	ug/l	96
56) Ethyl methacrylate	10.876	69	56374	22.985	ug/l	94
57) 1,3-Dichloropropane	11.165	76	59186	21.602	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	103401	117.002	ug/l	97
59) 2-Hexanone	11.194	43	194661	126.714	ug/l	98
60) Dibromochloromethane	11.359	129	39341	22.051	ug/l	99
61) 1,2-Dibromoethane	11.470	107	33934	21.344	ug/l	100
64) Tetrachloroethene	11.106	164	25690	18.232	ug/l	98
65) Chlorobenzene	11.894	112	92181	19.574	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	33347	20.426	ug/l	100
67) Ethyl Benzene	11.965	91	162327	19.404	ug/l	96
68) m/p-Xylenes	12.070	106	120151	38.685	ug/l	97
69) o-Xylene	12.400	106	59816	19.894	ug/l	96
70) Styrene	12.412	104	101308	20.531	ug/l	99
71) Bromoform	12.576	173	26063	23.691	ug/l #	95
73) Isopropylbenzene	12.694	105	151496	19.743	ug/l	99
74) N-ethyl acetate	12.494	43	77573	23.694	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.941	83	50351	22.332	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	43716m	21.843	ug/l	
77) Bromobenzene	12.982	156	36684	19.860	ug/l	98
78) n-propylbenzene	13.035	91	182059	20.391	ug/l	99
79) 2-Chlorotoluene	13.123	91	113189	19.879	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	130771	20.213	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	16590	21.710	ug/l	95
82) 4-Chlorotoluene	13.223	91	115706	20.249	ug/l	100
83) tert-Butylbenzene	13.441	119	110099	19.452	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	131139	20.179	ug/l	99
85) sec-Butylbenzene	13.617	105	154606	20.596	ug/l	98
86) p-Isopropyltoluene	13.729	119	126531	20.108	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	67960	19.495	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	67099	19.009	ug/l	99
89) n-Butylbenzene	14.059	91	109212	19.330	ug/l	99
90) Hexachloroethane	14.329	117	24331	19.235	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	65462	19.458	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11006	24.488	ug/l	92
93) 1,2,4-Trichlorobenzene	15.394	180	32587	18.050	ug/l	99
94) Hexachlorobutadiene	15.500	225	14065	18.345	ug/l	97
95) Naphthalene	15.641	128	111041	20.217	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	32931	19.086	ug/l	99

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

