

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012924\
 Data File : VN080791.D
 Acq On : 29 Jan 2024 15:19
 Operator : JC\MD
 Sample : VN0129WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0129WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/31/2024
 Supervised By : Mahesh Dadoda 01/30/2024

Quant Time: Jan 31 04:02:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	114747	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	233212	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	212944	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	78171	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	92324	46.509	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.020%		
35) Dibromofluoromethane	8.171	113	66465	46.583	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.160%		
50) Toluene-d8	10.565	98	262654	47.034	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.060%		
62) 4-Bromofluorobenzene	12.853	95	89727	46.108	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.220%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	32012	18.783	ug/l	95
3) Chloromethane	2.359	50	49316	19.249	ug/l	91
4) Vinyl Chloride	2.518	62	39261	20.157	ug/l	91
5) Bromomethane	2.953	94	15864	20.363	ug/l	92
6) Chloroethane	3.118	64	21107	20.326	ug/l	98
7) Trichlorofluoromethane	3.500	101	46042	18.265	ug/l	98
8) Diethyl Ether	3.959	74	22392	19.256	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	28100	19.116	ug/l	94
10) Methyl Iodide	4.583	142	22245	17.927	ug/l	92
11) Tert butyl alcohol	5.506	59	30485	94.208	ug/l #	93
12) 1,1-Dichloroethene	4.341	96	29883	18.553	ug/l	99
13) Acrolein	4.171	56	39018	95.617	ug/l	97
14) Allyl chloride	5.018	41	61093	19.190	ug/l	97
15) Acrylonitrile	5.718	53	99006	101.732	ug/l	98
16) Acetone	4.424	43	66516	92.391	ug/l	95
17) Carbon Disulfide	4.706	76	94064	18.759	ug/l	97
18) Methyl Acetate	5.024	43	50287	20.042	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	111292	19.610	ug/l	96
20) Methylene Chloride	5.283	84	35111	18.579	ug/l	92
21) trans-1,2-Dichloroethene	5.777	96	31130	17.790	ug/l	89
22) Diisopropyl ether	6.671	45	137165	19.527	ug/l	99
23) Vinyl Acetate	6.600	43	539105	106.069	ug/l	97
24) 1,1-Dichloroethane	6.559	63	67962	19.077	ug/l	98
25) 2-Butanone	7.482	43	127120	92.960	ug/l	99
26) 2,2-Dichloropropane	7.494	77	56973	19.787	ug/l	97
27) cis-1,2-Dichloroethene	7.482	96	38168	18.843	ug/l	96
28) Bromochloromethane	7.812	49	37195	19.720	ug/l #	98
29) Tetrahydrofuran	7.841	42	83498	90.238	ug/l	95
30) Chloroform	7.965	83	60874	18.393	ug/l	92
31) Cyclohexane	8.259	56	64104	18.832	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	50786	18.923	ug/l	94
36) 1,1-Dichloropropene	8.371	75	50087	18.887	ug/l	96
37) Ethyl Acetate	7.559	43	52709	19.307	ug/l	98
38) Carbon Tetrachloride	8.359	117	39401	18.440	ug/l	96
39) Methylcyclohexane	9.600	83	49831	18.905	ug/l	97
40) Benzene	8.606	78	152226	19.530	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	33500	20.820	ug/l	89
42) 1,2-Dichloroethane	8.671	62	52574	20.704	ug/l	99
43) Isopropyl Acetate	8.688	43	93698	18.851	ug/l	99
44) Trichloroethene	9.353	130	30199	17.591	ug/l	89
45) 1,2-Dichloropropane	9.623	63	43170	20.466	ug/l	98
46) Dibromomethane	9.712	93	24478	19.576	ug/l	96
47) Bromodichloromethane	9.888	83	49100	19.341	ug/l #	95
48) Methyl methacrylate	9.682	41	43329	17.982	ug/l	96
49) 1,4-Dioxane	9.694	88	12489	430.287	ug/l #	93
51) 4-Methyl-2-Pentanone	10.447	43	277087	99.724	ug/l	98
52) Toluene	10.629	92	86572	19.372	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	55608	18.803	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	64853	20.166	ug/l	93
55) 1,1,2-Trichloroethane	11.018	97	31299	18.224	ug/l	94
56) Ethyl methacrylate	10.876	69	58214	22.049	ug/l	100
57) 1,3-Dichloropropane	11.165	76	62718	19.403	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	148301	96.352	ug/l	100
59) 2-Hexanone	11.200	43	205465	95.199	ug/l	99
60) Dibromochloromethane	11.365	129	31608	19.786	ug/l	100
61) 1,2-Dibromoethane	11.470	107	32374	20.113	ug/l	98
64) Tetrachloroethene	11.106	164	25680	18.347	ug/l	97
65) Chlorobenzene	11.894	112	81256	17.484	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	11.959	131	27957	18.499	ug/l	98
67) Ethyl Benzene	11.965	91	157536	18.238	ug/l	99
68) m/p-Xylenes	12.070	106	113382	36.961	ug/l	97
69) o-Xylene	12.400	106	55773	18.297	ug/l	98
70) Styrene	12.412	104	91891	18.771	ug/l	99
71) Bromoform	12.582	173	18225	17.835	ug/l #	99
73) Isopropylbenzene	12.700	105	134309	18.762	ug/l	99
74) N-amyl acetate	12.494	43	81584	18.356	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	44912	17.836	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	43626m	18.504	ug/l	
77) Bromobenzene	12.982	156	27359	17.879	ug/l	91
78) n-propylbenzene	13.035	91	164592	19.246	ug/l	99
79) 2-Chlorotoluene	13.123	91	98353	18.094	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	108183	18.976	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	16506	18.036	ug/l	85
82) 4-Chlorotoluene	13.223	91	97671	18.147	ug/l	99
83) tert-Butylbenzene	13.441	119	85186	18.711	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	107038	18.531	ug/l	99
85) sec-Butylbenzene	13.617	105	125302	18.668	ug/l	100
86) p-Isopropyltoluene	13.729	119	98400	18.865	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	51555	18.836	ug/l	95
88) 1,4-Dichlorobenzene	13.817	146	47718	17.389	ug/l	94
89) n-Butylbenzene	14.059	91	95975	18.803	ug/l	99
90) Hexachloroethane	14.335	117	16602	18.190	ug/l	89
91) 1,2-Dichlorobenzene	14.106	146	48051	19.181	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.717	75	9580	20.354	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	22886	17.749	ug/l	95
94) Hexachlorobutadiene	15.500	225	9044	16.055	ug/l	93
95) Naphthalene	15.641	128	90327	18.307	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	24152	19.057	ug/l	91

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

