

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121224\
 Data File : VN085184.D
 Acq On : 12 Dec 2024 12:08
 Operator : JC\MD
 Sample : VN1212WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/13/2024
 Supervised By : Mahesh Dadoda 12/13/2024

Quant Time: Dec 13 04:22:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.223	168	140672	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	228441	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	202888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	96839	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	101151	50.480	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.960%			
35) Dibromofluoromethane	8.165	113	81652	53.003	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.000%			
50) Toluene-d8	10.564	98	279621	50.648	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.300%			
62) 4-Bromofluorobenzene	12.847	95	106088	51.383	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.760%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	22620	14.221	ug/l	97
3) Chloromethane	2.359	50	24177	13.105	ug/l	99
4) Vinyl Chloride	2.512	62	26630	16.062	ug/l	90
5) Bromomethane	2.959	94	19486	20.969	ug/l	94
6) Chloroethane	3.118	64	19073	17.067	ug/l	99
7) Trichlorofluoromethane	3.500	101	50424	17.879	ug/l	97
8) Diethyl Ether	3.959	74	18283	19.046	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	28998	18.128	ug/l	100
10) Methyl Iodide	4.588	142	35660	16.842	ug/l #	95
11) Tert butyl alcohol	5.524	59	29120	108.751	ug/l #	85
12) 1,1-Dichloroethene	4.335	96	25613	17.154	ug/l	97
13) Acrolein	4.183	56	15293	85.592	ug/l	98
14) Allyl chloride	5.024	41	39184	15.568	ug/l	92
15) Acrylonitrile	5.718	53	79927	105.432	ug/l	99
16) Acetone	4.430	43	67264	115.262	ug/l	97
17) Carbon Disulfide	4.712	76	64384	14.609	ug/l #	94
18) Methyl Acetate	5.018	43	39301	20.391	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	97278	19.941	ug/l	97
20) Methylene Chloride	5.271	84	32133	18.044	ug/l	96
21) trans-1,2-Dichloroethene	5.788	96	27833	17.714	ug/l	95
22) Diisopropyl ether	6.665	45	97421	19.231	ug/l	98
23) Vinyl Acetate	6.606	43	349242	99.930	ug/l	100
24) 1,1-Dichloroethane	6.565	63	55611	18.344	ug/l	95
25) 2-Butanone	7.482	43	104601	109.633	ug/l	99
26) 2,2-Dichloropropane	7.488	77	51089	18.048	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	34126	18.016	ug/l	100
28) Bromochloromethane	7.812	49	20306	17.744	ug/l	93
29) Tetrahydrofuran	7.841	42	65617	110.593	ug/l	98
30) Chloroform	7.965	83	60873	18.876	ug/l	98
31) Cyclohexane	8.253	56	43700	16.372	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	55026	18.883	ug/l	98
36) 1,1-Dichloropropene	8.365	75	37679	18.057	ug/l	97
37) Ethyl Acetate	7.559	43	42488	22.398	ug/l #	95
38) Carbon Tetrachloride	8.359	117	48634	20.192	ug/l	98
39) Methylcyclohexane	9.600	83	37745	17.408	ug/l	98
40) Benzene	8.606	78	124653	18.888	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	22602	21.519	ug/l	98
42) 1,2-Dichloroethane	8.665	62	46181	20.454	ug/l	99
43) Isopropyl Acetate	8.688	43	70093	17.789	ug/l	98
44) Trichloroethene	9.347	130	29225	19.055	ug/l	93
45) 1,2-Dichloropropane	9.617	63	31727	19.518	ug/l	95
46) Dibromomethane	9.706	93	23012	20.374	ug/l	96
47) Bromodichloromethane	9.882	83	49903	20.846	ug/l	98
48) Methyl methacrylate	9.676	41	31139	21.237	ug/l	99
49) 1,4-Dioxane	9.688	88	13656	537.043	ug/l #	92
51) 4-Methyl-2-Pentanone	10.441	43	217277	120.725	ug/l	99
52) Toluene	10.629	92	79429	20.330	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	47781	19.909	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	51920	20.392	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	31353	21.545	ug/l	96
56) Ethyl methacrylate	10.870	69	46874	22.043	ug/l	98
57) 1,3-Dichloropropane	11.164	76	53744	20.984	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	95064	91.136	ug/l	99
59) 2-Hexanone	11.194	43	160249	119.051	ug/l	99
60) Dibromochloromethane	11.359	129	37844	21.278	ug/l	100
61) 1,2-Dibromoethane	11.464	107	31658	21.020	ug/l	100
64) Tetrachloroethene	11.100	164	28188	20.619	ug/l	95
65) Chlorobenzene	11.888	112	87232	18.958	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	33165	20.472	ug/l	98
67) Ethyl Benzene	11.959	91	143171	19.179	ug/l	99
68) m/p-Xylenes	12.070	106	111386	39.192	ug/l	98
69) o-Xylene	12.400	106	52350	19.364	ug/l	98
70) Styrene	12.411	104	91946	20.451	ug/l	99
71) Bromoform	12.576	173	27349	22.743	ug/l #	96
73) Isopropylbenzene	12.694	105	134052	19.622	ug/l	99
74) N-amyl acetate	12.494	43	59293	21.062	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	46257	19.829	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	38999m	22.141	ug/l	
77) Bromobenzene	12.976	156	35352	19.229	ug/l	98
78) n-propylbenzene	13.035	91	159259	20.211	ug/l	99
79) 2-Chlorotoluene	13.123	91	104508	19.868	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	118078	20.598	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	16006	20.060	ug/l	97
82) 4-Chlorotoluene	13.217	91	103580	18.916	ug/l	99
83) tert-Butylbenzene	13.435	119	98414	19.952	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	118462	20.075	ug/l	99
85) sec-Butylbenzene	13.611	105	132773	19.927	ug/l	98
86) p-Isopropyltoluene	13.729	119	109876	19.976	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	65255	17.995	ug/l	98
88) 1,4-Dichlorobenzene	13.811	146	65069	17.584	ug/l	99
89) n-Butylbenzene	14.053	91	89736	17.543	ug/l	100
90) Hexachloroethane	14.335	117	22352	18.643	ug/l	99
91) 1,2-Dichlorobenzene	14.105	146	61710	17.759	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	9263	20.534	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	30978	16.410	ug/l	99
94) Hexachlorobutadiene	15.499	225	15418	17.697	ug/l	97
95) Naphthalene	15.641	128	89482	16.643	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	31403	17.434	ug/l	97

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

