

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082923\
 Data File : VN079091.D
 Acq On : 29 Aug 2023 14:05
 Operator : JC\MD
 Sample : VN0829WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829WBSD02

Quant Time: Aug 29 23:29:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/30/2023
 Supervised By : Mahesh Dadoda 09/01/2023

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	170049	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	280242	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	258360	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	110013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	113000	42.704	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.400%		
35) Dibromofluoromethane	8.171	113	90110	47.767	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.540%		
50) Toluene-d8	10.570	98	312923	44.674	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.340%		
62) 4-Bromofluorobenzene	12.853	95	103787	45.332	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	45089	19.109	ug/l	97
3) Chloromethane	2.365	50	46162	14.012	ug/l	98
4) Vinyl Chloride	2.518	62	49787	17.233	ug/l	99
5) Bromomethane	2.947	94	31710	19.117	ug/l	96
6) Chloroethane	3.118	64	35991	17.820	ug/l	98
7) Trichlorofluoromethane	3.494	101	72567	20.622	ug/l	95
8) Diethyl Ether	3.965	74	27329	20.486	ug/l	61
9) 1,1,2-Trichlorotrifluo...	4.371	101	38147	20.354	ug/l	97
10) Methyl Iodide	4.589	142	43339	20.668	ug/l	100
11) Tert butyl alcohol	5.536	59	45013	101.376	ug/l	99
12) 1,1-Dichloroethene	4.341	96	34912	19.124	ug/l	83
13) Acrolein	4.183	56	26617	99.539	ug/l	96
14) Allyl chloride	5.030	41	62427	17.181	ug/l #	90
15) Acrylonitrile	5.730	53	123832	102.946	ug/l	98
16) Acetone	4.436	43	111100	101.756	ug/l	88
17) Carbon Disulfide	4.712	76	81063	15.863	ug/l	97
18) Methyl Acetate	5.030	43	94339	20.453	ug/l #	83
19) Methyl tert-butyl Ether	5.800	73	131780	20.039	ug/l #	87
20) Methylene Chloride	5.271	84	46388	19.937	ug/l #	81
21) trans-1,2-Dichloroethene	5.794	96	38431	18.773	ug/l	97
22) Diisopropyl ether	6.677	45	158433	20.611	ug/l #	88
23) Vinyl Acetate	6.606	43	475454	93.940	ug/l #	85
24) 1,1-Dichloroethane	6.565	63	83139	19.799	ug/l	95
25) 2-Butanone	7.488	43	175383	100.191	ug/l #	75
26) 2,2-Dichloropropane	7.500	77	62887	18.527	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	47187	18.964	ug/l	85
28) Bromochloromethane	7.818	49	43882	19.700	ug/l #	71
29) Tetrahydrofuran	7.847	42	118956	102.669	ug/l #	71
30) Chloroform	7.977	83	85016	20.265	ug/l	87
31) Cyclohexane	8.259	56	63913	17.659	ug/l #	76
32) 1,1,1-Trichloroethane	8.177	97	71715	20.048	ug/l	93
36) 1,1-Dichloropropene	8.377	75	56964	20.074	ug/l	95
37) Ethyl Acetate	7.571	43	70070	22.070	ug/l #	90
38) Carbon Tetrachloride	8.365	117	60540	21.292	ug/l	97
39) Methylcyclohexane	9.606	83	49938	19.135	ug/l	87
40) Benzene	8.612	78	179700	21.425	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	39204	22.672	ug/l #	79
42) 1,2-Dichloroethane	8.682	62	68784	21.951	ug/l	99
43) Isopropyl Acetate	8.694	43	117428	20.925	ug/l #	86
44) Trichloroethene	9.359	130	42295	21.222	ug/l	90
45) 1,2-Dichloropropane	9.629	63	48746	21.828	ug/l	95
46) Dibromomethane	9.712	93	32943	21.507	ug/l	93
47) Bromodichloromethane	9.894	83	67488	22.313	ug/l	96
48) Methyl methacrylate	9.688	41	52598	20.684	ug/l #	79
49) 1,4-Dioxane	9.700	88	19934	460.219	ug/l #	83
51) 4-Methyl-2-Pentanone	10.453	43	367049	110.280	ug/l #	85
52) Toluene	10.635	92	110733	21.503	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	67017	20.662	ug/l	93
54) cis-1,3-Dichloropropene	10.318	75	73986	20.944	ug/l #	88
55) 1,1,2-Trichloroethane	11.023	97	46747	22.640	ug/l	97
56) Ethyl methacrylate	10.876	69	68280	21.332	ug/l #	79
57) 1,3-Dichloropropane	11.170	76	82448	22.324	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	143071	93.118	ug/l #	87
59) 2-Hexanone	11.200	43	262210	108.769	ug/l	84
60) Dibromochloromethane	11.365	129	49555	22.807	ug/l	98
61) 1,2-Dibromoethane	11.470	107	45403	21.638	ug/l	98
64) Tetrachloroethene	11.106	164	35534	21.932	ug/l	99
65) Chlorobenzene	11.894	112	116564	21.195	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	45498	21.891	ug/l	98
67) Ethyl Benzene	11.970	91	204112	20.409	ug/l	99
68) m/p-Xylenes	12.076	106	154234	41.248	ug/l	99
69) o-Xylene	12.400	106	76021	20.900	ug/l	98
70) Styrene	12.417	104	120537	19.874	ug/l	97
71) Bromoform	12.582	173	33838	22.395	ug/l #	98
73) Isopropylbenzene	12.700	105	186817	20.366	ug/l	99
74) N-amyl acetate	12.500	43	89047	19.232	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.941	83	74405	22.464	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	58258m	21.978	ug/l	
77) Bromobenzene	12.982	156	47129	21.374	ug/l	96
78) n-propylbenzene	13.041	91	216620	20.365	ug/l	98
79) 2-Chlorotoluene	13.129	91	135017	20.462	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	152739	21.011	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	19520	18.812	ug/l #	83
82) 4-Chlorotoluene	13.223	91	131309	20.338	ug/l	99
83) tert-Butylbenzene	13.441	119	133395	21.840	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	157488	21.880	ug/l	99
85) sec-Butylbenzene	13.617	105	178279	21.210	ug/l	100
86) p-Isopropyltoluene	13.735	119	143113	21.311	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	79757	21.021	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	75579	19.902	ug/l	95
89) n-Butylbenzene	14.059	91	110948	20.075	ug/l	99
90) Hexachloroethane	14.341	117	30336	22.535	ug/l	91
91) 1,2-Dichlorobenzene	14.111	146	81555	21.615	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	12722	20.684	ug/l	97
93) 1,2,4-Trichlorobenzene	15.400	180	26444	19.770	ug/l	99
94) Hexachlorobutadiene	15.505	225	17075	22.408	ug/l	97
95) Naphthalene	15.647	128	74063	16.431	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	28078	19.166	ug/l	94

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

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