

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102423\
 Data File : VN079659.D
 Acq On : 24 Oct 2023 16:02
 Operator : JC\MD
 Sample : VN1024WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/25/2023
 Supervised By : Mahesh Dadoda 10/25/2023

Quant Time: Oct 25 01:52:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	222927	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	398374	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	362255	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	145314	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	165115	45.680	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.360%		
35) Dibromofluoromethane	8.177	113	129993	45.407	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.820%		
50) Toluene-d8	10.571	98	462858	44.683	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.360%		
62) 4-Bromofluorobenzene	12.853	95	146997	44.219	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.440%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	56245	17.607	ug/l	98
3) Chloromethane	2.365	50	69335	17.395	ug/l	97
4) Vinyl Chloride	2.518	62	76288	18.401	ug/l	94
5) Bromomethane	2.953	94	48920	19.711	ug/l	98
6) Chloroethane	3.124	64	52257	16.719	ug/l	97
7) Trichlorofluoromethane	3.495	101	106240	21.703	ug/l	97
8) Diethyl Ether	3.965	74	43636	25.005	ug/l	72
9) 1,1,2-Trichlorotrifluo...	4.377	101	62412	21.818	ug/l	99
10) Methyl Iodide	4.594	142	64234	25.877	ug/l	98
11) Tert butyl alcohol	5.524	59	53349	98.064	ug/l #	87
12) 1,1-Dichloroethene	4.342	96	55114	20.925	ug/l	87
13) Acrolein	4.183	56	41069	75.815	ug/l	93
14) Allyl chloride	5.024	41	101306	23.834	ug/l #	91
15) Acrylonitrile	5.724	53	175052	110.988	ug/l	99
16) Acetone	4.430	43	194343	135.557	ug/l	91
17) Carbon Disulfide	4.712	76	149447	18.190	ug/l	98
18) Methyl Acetate	5.030	43	161723	23.047	ug/l #	85
19) Methyl tert-butyl Ether	5.800	73	194659	22.746	ug/l	93
20) Methylene Chloride	5.277	84	77261	24.300	ug/l #	83
21) trans-1,2-Dichloroethene	5.794	96	57692	18.754	ug/l #	78
22) Diisopropyl ether	6.677	45	211324	22.172	ug/l #	88
23) Vinyl Acetate	6.612	43	580713	108.317	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	118854	20.376	ug/l	95
25) 2-Butanone	7.488	43	235051	110.463	ug/l #	76
26) 2,2-Dichloropropane	7.494	77	91525	20.531	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	70307	21.037	ug/l	88
28) Bromochloromethane	7.818	49	58221	20.978	ug/l #	75
29) Tetrahydrofuran	7.841	42	153105	111.253	ug/l #	73
30) Chloroform	7.971	83	125271	21.255	ug/l	91
31) Cyclohexane	8.259	56	89156	17.389	ug/l	85
32) 1,1,1-Trichloroethane	8.171	97	100078	20.178	ug/l	92
36) 1,1-Dichloropropene	8.377	75	84089	19.570	ug/l	95
37) Ethyl Acetate	7.571	43	96154	22.490	ug/l #	90
38) Carbon Tetrachloride	8.365	117	84990	19.758	ug/l	93
39) Methylcyclohexane	9.606	83	73693	17.851	ug/l #	86
40) Benzene	8.612	78	267764	20.984	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	50042	22.264	ug/l #	85
42) 1,2-Dichloroethane	8.677	62	102704	22.150	ug/l	97
43) Isopropyl Acetate	8.694	43	160873	21.477	ug/l #	87
44) Trichloroethene	9.353	130	58926	19.620	ug/l	99
45) 1,2-Dichloropropane	9.629	63	72116	21.450	ug/l	97
46) Dibromomethane	9.712	93	49235	22.611	ug/l	96
47) Bromodichloromethane	9.888	83	100002	22.326	ug/l	99
48) Methyl methacrylate	9.688	41	69924	21.785	ug/l #	81
49) 1,4-Dioxane	9.700	88	25334	428.501	ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	474965	112.330	ug/l	89
52) Toluene	10.635	92	159259	21.202	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	103074	22.835	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	110773	22.418	ug/l #	90
55) 1,1,2-Trichloroethane	11.018	97	68604	22.750	ug/l	97
56) Ethyl methacrylate	10.876	69	94419	22.786	ug/l #	81
57) 1,3-Dichloropropane	11.171	76	116848	22.440	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	132226	83.322	ug/l	88
59) 2-Hexanone	11.200	43	346392	113.527	ug/l	87
60) Dibromochloromethane	11.365	129	71598	23.624	ug/l	100
61) 1,2-Dibromoethane	11.470	107	66264	22.142	ug/l	99
64) Tetrachloroethene	11.106	164	46638	18.715	ug/l	93
65) Chlorobenzene	11.894	112	166179	20.599	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	64676	21.895	ug/l	98
67) Ethyl Benzene	11.970	91	286589	20.438	ug/l	97
68) m/p-Xylenes	12.076	106	215121	42.223	ug/l	93
69) o-Xylene	12.400	106	103835	20.723	ug/l	95
70) Styrene	12.417	104	172104	21.746	ug/l	98
71) Bromoform	12.582	173	46022	21.288	ug/l #	99
73) Isopropylbenzene	12.700	105	256374	18.964	ug/l	100
74) N-amyl acetate	12.500	43	112042	20.216	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.941	83	102165	22.751	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	89693m	21.407	ug/l	
77) Bromobenzene	12.982	156	64972	19.600	ug/l	93
78) n-propylbenzene	13.041	91	303863	19.866	ug/l	97
79) 2-Chlorotoluene	13.129	91	189441	19.355	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	215667	20.231	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	27219	18.850	ug/l #	73
82) 4-Chlorotoluene	13.223	91	183646	19.718	ug/l	99
83) tert-Butylbenzene	13.441	119	167870	19.220	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	213886	21.024	ug/l	100
85) sec-Butylbenzene	13.623	105	236406	19.405	ug/l	99
86) p-Isopropyltoluene	13.735	119	188874	20.209	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	107778	20.500	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	106259	19.573	ug/l	99
89) n-Butylbenzene	14.059	91	142101	19.040	ug/l	98
90) Hexachloroethane	14.341	117	40023	20.477	ug/l	89
91) 1,2-Dichlorobenzene	14.111	146	106284	20.725	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	15430	19.738	ug/l	95
93) 1,2,4-Trichlorobenzene	15.400	180	29167	18.363	ug/l	97
94) Hexachlorobutadiene	15.506	225	24993	20.204	ug/l	97
95) Naphthalene	15.647	128	75782	15.624	ug/l	96
96) 1,2,3-Trichlorobenzene	15.841	180	32026	16.896	ug/l	97

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

