

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091424\
 Data File : VN083884.D
 Acq On : 14 Sep 2024 12:44
 Operator : JC\MD
 Sample : VN0914WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/16/2024
 Supervised By : Mahesh Dadoda 09/16/2024

Quant Time: Sep 16 01:32:49 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	138715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	243071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	216414	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	101517	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	110106	52.641	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.280%			
35) Dibromofluoromethane	8.165	113	80672	51.842	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.680%			
50) Toluene-d8	10.565	98	285790	53.125	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.260%			
62) 4-Bromofluorobenzene	12.847	95	105095	47.351	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.700%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	32663	20.276	ug/l	99
3) Chloromethane	2.365	50	35622	20.567	ug/l	94
4) Vinyl Chloride	2.518	62	35216	19.944	ug/l	97
5) Bromomethane	2.959	94	23621	23.299	ug/l	83
6) Chloroethane	3.124	64	24388	19.690	ug/l	97
7) Trichlorofluoromethane	3.500	101	59888	19.981	ug/l	95
8) Diethyl Ether	3.965	74	19662	19.570	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	32649	20.551	ug/l	97
10) Methyl Iodide	4.589	142	41166	20.374	ug/l	92
11) Tert butyl alcohol	5.524	59	31907	113.918	ug/l	99
12) 1,1-Dichloroethene	4.347	96	30087	20.053	ug/l	88
13) Acrolein	4.183	56	26114	94.495	ug/l	99
14) Allyl chloride	5.018	41	49367	18.466	ug/l	91
15) Acrylonitrile	5.718	53	83327	109.396	ug/l	99
16) Acetone	4.430	43	82835	98.792	ug/l	92
17) Carbon Disulfide	4.712	76	79576	18.961	ug/l	96
18) Methyl Acetate	5.024	43	40630	22.226	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	111426	20.523	ug/l	100
20) Methylene Chloride	5.277	84	34814	20.290	ug/l	96
21) trans-1,2-Dichloroethene	5.789	96	30870	19.199	ug/l	90
22) Diisopropyl ether	6.671	45	113958	20.707	ug/l	92
23) Vinyl Acetate	6.606	43	429683	106.617	ug/l	99
24) 1,1-Dichloroethane	6.565	63	66207	20.882	ug/l	95
25) 2-Butanone	7.483	43	118843	107.838	ug/l	100
26) 2,2-Dichloropropane	7.494	77	55689	19.072	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	38492	20.166	ug/l	97
28) Bromochloromethane	7.812	49	30297	22.691	ug/l	94
29) Tetrahydrofuran	7.841	42	73469	112.746	ug/l	98
30) Chloroform	7.971	83	68174	20.254	ug/l	98
31) Cyclohexane	8.259	56	57225	18.930	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	63596	20.548	ug/l	95
36) 1,1-Dichloropropene	8.371	75	45592	19.466	ug/l	99
37) Ethyl Acetate	7.559	43	48352	22.743	ug/l	98
38) Carbon Tetrachloride	8.365	117	53178	20.013	ug/l	100
39) Methylcyclohexane	9.600	83	49505	18.569	ug/l	95
40) Benzene	8.606	78	141006	20.002	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	25468	20.254	ug/l	96
42) 1,2-Dichloroethane	8.671	62	55203	20.956	ug/l	99
43) Isopropyl Acetate	8.688	43	82416	21.392	ug/l	98
44) Trichloroethene	9.353	130	33711	20.650	ug/l	97
45) 1,2-Dichloropropane	9.618	63	34612	20.314	ug/l	100
46) Dibromomethane	9.706	93	25088	21.022	ug/l	98
47) Bromodichloromethane	9.888	83	54876	21.246	ug/l	98
48) Methyl methacrylate	9.676	41	39070	21.375	ug/l	97
49) 1,4-Dioxane	9.694	88	14384	478.370	ug/l #	95
51) 4-Methyl-2-Pentanone	10.441	43	242056	115.421	ug/l	98
52) Toluene	10.629	92	88618	20.551	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	53853	20.570	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	56204	20.438	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	33124	20.576	ug/l	97
56) Ethyl methacrylate	10.871	69	53193	21.477	ug/l	94
57) 1,3-Dichloropropane	11.165	76	58108	21.002	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	106243	119.048	ug/l	98
59) 2-Hexanone	11.194	43	177071	114.142	ug/l	98
60) Dibromochloromethane	11.359	129	39125	21.717	ug/l	99
61) 1,2-Dibromoethane	11.470	107	34066	21.219	ug/l	99
64) Tetrachloroethene	11.100	164	28601	19.873	ug/l	98
65) Chlorobenzene	11.894	112	95112	19.774	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	33501	20.091	ug/l	99
67) Ethyl Benzene	11.965	91	169100	19.791	ug/l	97
68) m/p-Xylenes	12.070	106	125864	39.677	ug/l	100
69) o-Xylene	12.400	106	61242	19.942	ug/l	99
70) Styrene	12.412	104	101832	20.205	ug/l	99
71) Bromoform	12.576	173	24804	22.075	ug/l #	99
73) Isopropylbenzene	12.694	105	157394	20.040	ug/l	99
74) N-amyl acetate	12.494	43	71615	21.372	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	47439	20.557	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	47538m	23.207	ug/l	
77) Bromobenzene	12.976	156	36906	19.521	ug/l	99
78) n-propylbenzene	13.035	91	187915	20.564	ug/l	99
79) 2-Chlorotoluene	13.123	91	116639	20.014	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	133852	20.214	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	15236	19.481	ug/l	93
82) 4-Chlorotoluene	13.223	91	118499	20.262	ug/l	99
83) tert-Butylbenzene	13.435	119	114309	19.731	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	135957	20.440	ug/l	98
85) sec-Butylbenzene	13.617	105	158357	20.611	ug/l	99
86) p-Isopropyltoluene	13.729	119	129412	20.093	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	67487	18.915	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	67247	18.614	ug/l	99
89) n-Butylbenzene	14.053	91	112795	19.506	ug/l	99
90) Hexachloroethane	14.335	117	24137	18.643	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	65822	19.115	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10049	21.845	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	33008	17.863	ug/l	99
94) Hexachlorobutadiene	15.500	225	14684	18.712	ug/l	99
95) Naphthalene	15.641	128	108187	19.245	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	32659	18.494	ug/l	98

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

