

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111422\
 Data File : VN075266.D
 Acq On : 14 Nov 2022 15:39
 Operator : JC\MD
 Sample : VN1114WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/15/2022
 Supervised By : Mahesh Dadoda 11/15/2022

Quant Time: Nov 15 03:52:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	110139	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	194813	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	179367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	86817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	65948	44.440	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.880%		
35) Dibromofluoromethane	8.171	113	55676	48.683	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.360%		
50) Toluene-d8	10.565	98	200565	45.202	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.400%		
62) 4-Bromofluorobenzene	12.847	95	74769	47.970	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	24000	16.751	ug/l	92
3) Chloromethane	2.377	50	25876	17.003	ug/l	99
4) Vinyl Chloride	2.524	62	34273	15.786	ug/l	94
5) Bromomethane	2.942	94	27501	14.217	ug/l	98
6) Chloroethane	3.124	64	25628	16.462	ug/l	99
7) Trichlorofluoromethane	3.500	101	42439	19.135	ug/l	97
8) Diethyl Ether	3.971	74	16692	20.634	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.383	101	23569	19.243	ug/l	94
10) Methyl Iodide	4.606	142	36314	19.915	ug/l	96
11) Tert butyl alcohol	5.536	59	28552	82.503	ug/l	96
12) 1,1-Dichloroethene	4.353	96	22626	19.380	ug/l	88
13) Acrolein	4.189	56	17153	60.597	ug/l	99
14) Allyl chloride	5.030	41	33822	19.835	ug/l	95
15) Acrylonitrile	5.730	53	71562	97.889	ug/l	99
16) Acetone	4.441	43	63507	101.068	ug/l	96
17) Carbon Disulfide	4.724	76	56229	19.152	ug/l	95
18) Methyl Acetate	5.041	43	41835	20.382	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	85259	19.648	ug/l	100
20) Methylene Chloride	5.283	84	28237	20.155	ug/l	94
21) trans-1,2-Dichloroethene	5.788	96	25727	20.126	ug/l	97
22) Diisopropyl ether	6.683	45	75140	19.968	ug/l	95
23) Vinyl Acetate	6.612	43	291998m	92.926	ug/l	
24) 1,1-Dichloroethane	6.577	63	45175	18.982	ug/l	98
25) 2-Butanone	7.494	43	97113	98.258	ug/l	99
26) 2,2-Dichloropropane	7.500	77	39756	18.158	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	30216	19.794	ug/l	94
28) Bromochloromethane	7.818	49	18434	18.375	ug/l	100
29) Tetrahydrofuran	7.841	42	58883	92.198	ug/l	99
30) Chloroform	7.971	83	49509	19.160	ug/l	96
31) Cyclohexane	8.259	56	40471	18.337	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	44746	19.069	ug/l	93
36) 1,1-Dichloropropene	8.377	75	34622	19.554	ug/l	99
37) Ethyl Acetate	7.571	43	37100	19.106	ug/l	98
38) Carbon Tetrachloride	8.365	117	38958	20.003	ug/l	98
39) Methylcyclohexane	9.600	83	46039	19.696	ug/l	94
40) Benzene	8.612	78	111653	20.595	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	18490	19.876	ug/l	95
42) 1,2-Dichloroethane	8.677	62	38790	19.667	ug/l	99
43) Isopropyl Acetate	8.694	43	58830	19.532	ug/l	98
44) Trichloroethene	9.353	130	28376	20.863	ug/l	97
45) 1,2-Dichloropropane	9.624	63	27550	21.354	ug/l	97
46) Dibromomethane	9.706	93	20713	20.607	ug/l	97
47) Bromodichloromethane	9.888	83	40033	20.567	ug/l	95
48) Methyl methacrylate	9.682	41	27093	19.610	ug/l	96
49) 1,4-Dioxane	9.694	88	14955	413.361	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	190095	97.806	ug/l	98
52) Toluene	10.629	92	72832	20.098	ug/l	96
53) t-1,3-Dichloropropene	10.835	75	40335	19.632	ug/l	93
54) cis-1,3-Dichloropropene	10.312	75	45103	20.698	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	29658	20.640	ug/l	98
56) Ethyl methacrylate	10.876	69	43180	19.700	ug/l	99
57) 1,3-Dichloropropane	11.165	76	48646	20.329	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	77034	90.911	ug/l	98
59) 2-Hexanone	11.194	43	140297	95.108	ug/l	99
60) Dibromochloromethane	11.359	129	31054	20.484	ug/l	98
61) 1,2-Dibromoethane	11.470	107	30337	20.601	ug/l	99
64) Tetrachloroethene	11.106	164	25964	23.611	ug/l	89
65) Chlorobenzene	11.894	112	76822	20.065	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	28091	19.779	ug/l	99
67) Ethyl Benzene	11.965	91	137880	20.017	ug/l	99
68) m/p-Xylenes	12.070	106	110730	40.063	ug/l	99
69) o-Xylene	12.400	106	53426	19.546	ug/l	98
70) Styrene	12.412	104	86615	19.874	ug/l	99
71) Bromoform	12.576	173	22774	21.417	ug/l #	97
73) Isopropylbenzene	12.694	105	137799	19.771	ug/l	98
74) N-amyl acetate	12.494	43	48197	18.697	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	44982	20.091	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	38840m	21.070	ug/l	
77) Bromobenzene	12.976	156	31458	20.498	ug/l	94
78) n-propylbenzene	13.035	91	158233	20.221	ug/l	99
79) 2-Chlorotoluene	13.123	91	97226	20.333	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	118557	20.252	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	14259	19.857	ug/l	95
82) 4-Chlorotoluene	13.123	91	97226	20.333	ug/l	100
83) tert-Butylbenzene	13.435	119	104471	20.084	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	122633	20.704	ug/l	100
85) sec-Butylbenzene	13.617	105	149917	20.602	ug/l	99
86) p-Isopropyltoluene	13.729	119	124139	20.657	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	62527	20.809	ug/l	98
88) 1,4-Dichlorobenzene	13.811	146	61839	20.795	ug/l	98
89) n-Butylbenzene	14.053	91	101790	21.033	ug/l	99
90) Hexachloroethane	14.335	117	20278	18.403	ug/l	93
91) 1,2-Dichlorobenzene	14.106	146	62550	20.939	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	9586	20.390	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	29908	23.267	ug/l	99
94) Hexachlorobutadiene	15.500	225	14444	23.049	ug/l	99
95) Naphthalene	15.641	128	107545	21.756	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	28448	22.273	ug/l	98

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

