

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111423\
 Data File : VN080083.D
 Acq On : 14 Nov 2023 12:52
 Operator : JC\MD
 Sample : VN1114WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/15/2023
 Supervised By : Mahesh Dadoda 11/15/2023

Quant Time: Nov 15 03:55:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	188772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	300830	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	275316	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	135839	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	149755	52.070	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.140%			
35) Dibromofluoromethane	8.165	113	105961	49.767	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.540%			
50) Toluene-d8	10.571	98	369410	47.130	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.260%			
62) 4-Bromofluorobenzene	12.847	95	142512	54.822	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.640%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	39952	17.571	ug/l	97
3) Chloromethane	2.360	50	31336	10.239	ug/l	92
4) Vinyl Chloride	2.513	62	64063	21.524	ug/l	98
5) Bromomethane	2.954	94	21044	11.637	ug/l	93
6) Chloroethane	3.118	64	23877	10.153	ug/l	91
7) Trichlorofluoromethane	3.501	101	74169	20.035	ug/l	98
8) Diethyl Ether	3.954	74	22972	16.352	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.371	101	36409	16.966	ug/l	96
10) Methyl Iodide	4.595	142	36506	14.896	ug/l	91
11) Tert butyl alcohol	5.518	59	31638	86.176	ug/l	96
12) 1,1-Dichloroethene	4.336	96	32303	15.898	ug/l	85
13) Acrolein	4.177	56	24611	76.188	ug/l	97
14) Allyl chloride	5.030	41	47704	15.328	ug/l	95
15) Acrylonitrile	5.718	53	91704	80.153	ug/l	99
16) Acetone	4.424	43	78685	77.889	ug/l	100
17) Carbon Disulfide	4.712	76	72611	12.389	ug/l	99
18) Methyl Acetate	5.024	43	69579	14.396	ug/l	92
19) Methyl tert-butyl Ether	5.801	73	131016	18.728	ug/l	98
20) Methylene Chloride	5.283	84	41173	16.152	ug/l	88
21) trans-1,2-Dichloroethene	5.789	96	35970	15.873	ug/l #	78
22) Diisopropyl ether	6.677	45	113258	15.704	ug/l #	95
23) Vinyl Acetate	6.606	43	292210	73.453	ug/l #	90
24) 1,1-Dichloroethane	6.565	63	76524	17.457	ug/l	98
25) 2-Butanone	7.489	43	108035	73.030	ug/l #	87
26) 2,2-Dichloropropane	7.495	77	68446	18.880	ug/l	96
27) cis-1,2-Dichloroethene	7.483	96	44987	16.596	ug/l	86
28) Bromochloromethane	7.818	49	39828	18.644	ug/l	88
29) Tetrahydrofuran	7.842	42	66825	69.431	ug/l	86
30) Chloroform	7.965	83	86348	18.134	ug/l	95
31) Cyclohexane	8.259	56	51538	13.561	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	79660	20.532	ug/l	98
36) 1,1-Dichloropropene	8.371	75	53828	17.706	ug/l	96
37) Ethyl Acetate	7.559	43	43646	15.654	ug/l	97
38) Carbon Tetrachloride	8.365	117	71514	23.341	ug/l	95
39) Methylcyclohexane	9.606	83	45300	15.834	ug/l #	89
40) Benzene	8.612	78	163669	17.975	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	25584	17.280	ug/l	90
42) 1,2-Dichloroethane	8.677	62	71943	22.619	ug/l	95
43) Isopropyl Acetate	8.689	43	77474	15.845	ug/l	95
44) Trichloroethene	9.353	130	40762	18.041	ug/l	98
45) 1,2-Dichloropropane	9.624	63	41291	17.745	ug/l	98
46) Dibromomethane	9.712	93	30948	19.478	ug/l	93
47) Bromodichloromethane	9.889	83	69546	20.524	ug/l	99
48) Methyl methacrylate	9.683	41	35927	16.775	ug/l	86
49) 1,4-Dioxane	9.694	88	13792	364.453	ug/l #	84
51) 4-Methyl-2-Pentanone	10.447	43	225693	81.988	ug/l	97
52) Toluene	10.630	92	104969	19.446	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	70387	21.189	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	70389	19.440	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	42769	19.698	ug/l	95
56) Ethyl methacrylate	10.877	69	58524	18.897	ug/l	93
57) 1,3-Dichloropropane	11.165	76	75513	19.731	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.165	63	156244	99.539	ug/l	95
59) 2-Hexanone	11.200	43	165780	78.724	ug/l	94
60) Dibromochloromethane	11.359	129	50445	21.705	ug/l	99
61) 1,2-Dibromoethane	11.471	107	41892	19.223	ug/l	97
64) Tetrachloroethene	11.106	164	35880	20.122	ug/l	94
65) Chlorobenzene	11.894	112	109565	18.346	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	46872	21.784	ug/l	95
67) Ethyl Benzene	11.965	91	195133	18.754	ug/l	92
68) m/p-Xylenes	12.071	106	147828	38.139	ug/l	91
69) o-Xylene	12.400	106	71513	19.160	ug/l	88
70) Styrene	12.412	104	120230	20.044	ug/l	93
71) Bromoform	12.577	173	34382	22.503	ug/l #	95
73) Isopropylbenzene	12.700	105	183439	17.793	ug/l	99
74) N-amyl acetate	12.494	43	61291	13.620	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.935	83	57538	15.741	ug/l	93
76) 1,2,3-Trichloropropane	12.994	75	55052m	17.263	ug/l	
77) Bromobenzene	12.983	156	46702	18.503	ug/l	98
78) n-propylbenzene	13.035	91	209863	17.776	ug/l	98
79) 2-Chlorotoluene	13.130	91	140649	18.649	ug/l	98
80) 1,3,5-Trimethylbenzene	13.177	105	161672	20.156	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.741	75	17456	14.893	ug/l #	77
82) 4-Chlorotoluene	13.224	91	140317	18.723	ug/l	97
83) tert-Butylbenzene	13.441	119	128083	19.508	ug/l	92
84) 1,2,4-Trimethylbenzene	13.482	105	160976	20.399	ug/l	97
85) sec-Butylbenzene	13.618	105	172481	18.962	ug/l	99
86) p-Isopropyltoluene	13.730	119	146091	19.699	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	85978	18.311	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	83705	17.563	ug/l	97
89) n-Butylbenzene	14.059	91	113574	17.780	ug/l	99
90) Hexachloroethane	14.335	117	28220	19.214	ug/l	81
91) 1,2-Dichlorobenzene	14.112	146	84165	18.988	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	12388	19.985	ug/l	91
93) 1,2,4-Trichlorobenzene	15.394	180	39029	18.518	ug/l	97
94) Hexachlorobutadiene	15.506	225	22636	23.692	ug/l	96
95) Naphthalene	15.641	128	107607	15.056	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	37444	18.125	ug/l	98

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

