

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121923\
 Data File : VN080513.D
 Acq On : 19 Dec 2023 12:24
 Operator : JC\MD
 Sample : VN1219WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/20/2023
 Supervised By : Mahesh Dadoda 12/20/2023

Quant Time: Dec 20 03:59:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	266420	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	416104	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	365516	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	174644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	180936	53.173	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.340%			
35) Dibromofluoromethane	8.165	113	141108	53.485	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.980%			
50) Toluene-d8	10.565	98	501468	50.965	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.940%			
62) 4-Bromofluorobenzene	12.847	95	189151	50.626	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	77930	22.889	ug/l	100
3) Chloromethane	2.359	50	75060	20.794	ug/l	97
4) Vinyl Chloride	2.512	62	61750	21.237	ug/l	93
5) Bromomethane	2.948	94	30672	23.398	ug/l	96
6) Chloroethane	3.118	64	37616	20.133	ug/l	96
7) Trichlorofluoromethane	3.495	101	134851	22.867	ug/l	98
8) Diethyl Ether	3.953	74	39643	21.342	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.365	101	64316	23.009	ug/l	94
10) Methyl Iodide	4.589	142	45905	18.671	ug/l #	89
11) Tert butyl alcohol	5.506	59	41211	102.833	ug/l	100
12) 1,1-Dichloroethene	4.336	96	61447	21.454	ug/l #	81
13) Acrolein	4.171	56	45645	104.003	ug/l	92
14) Allyl chloride	5.018	41	76761	21.662	ug/l	96
15) Acrylonitrile	5.712	53	125575	110.897	ug/l	99
16) Acetone	4.418	43	81206	134.591	ug/l	97
17) Carbon Disulfide	4.706	76	172056	21.198	ug/l	98
18) Methyl Acetate	5.012	43	80113	20.636	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	214130	22.409	ug/l	99
20) Methylene Chloride	5.271	84	70560	21.852	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	70200	22.605	ug/l	88
22) Diisopropyl ether	6.671	45	173452	22.679	ug/l	95
23) Vinyl Acetate	6.600	43	494128	112.492	ug/l	96
24) 1,1-Dichloroethane	6.565	63	118684	22.242	ug/l	99
25) 2-Butanone	7.477	43	143880	123.788	ug/l	93
26) 2,2-Dichloropropane	7.488	77	120897	22.157	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	78037	22.200	ug/l	90
28) Bromochloromethane	7.812	49	39077	19.073	ug/l	100
29) Tetrahydrofuran	7.835	42	90351	108.554	ug/l	93
30) Chloroform	7.965	83	134312	22.676	ug/l	95
31) Cyclohexane	8.253	56	101548	21.945	ug/l	96
32) 1,1,1-Trichloroethane	8.171	97	130676	22.533	ug/l	95
36) 1,1-Dichloropropene	8.371	75	101262	23.474	ug/l	96
37) Ethyl Acetate	7.559	43	61555	22.787	ug/l	99
38) Carbon Tetrachloride	8.365	117	117768	22.848	ug/l	96
39) Methylcyclohexane	9.600	83	100578	22.444	ug/l	94
40) Benzene	8.606	78	283839	22.786	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	33781	21.692	ug/l	94
42) 1,2-Dichloroethane	8.671	62	108445	23.510	ug/l	97
43) Isopropyl Acetate	8.688	43	107065	22.044	ug/l	96
44) Trichloroethene	9.353	130	73826	21.984	ug/l	99
45) 1,2-Dichloropropane	9.624	63	65615	22.427	ug/l	95
46) Dibromomethane	9.712	93	46692	22.223	ug/l #	87
47) Bromodichloromethane	9.888	83	105876	23.513	ug/l	98
48) Methyl methacrylate	9.682	41	62061	21.412	ug/l	92
49) 1,4-Dioxane	9.694	88	18431	419.533	ug/l #	89
51) 4-Methyl-2-Pentanone	10.447	43	302554	113.107	ug/l	99
52) Toluene	10.629	92	180640	22.955	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	112077	23.005	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	119571	22.962	ug/l #	90
55) 1,1,2-Trichloroethane	11.018	97	66011	23.313	ug/l	97
56) Ethyl methacrylate	10.871	69	68960	21.998	ug/l	92
57) 1,3-Dichloropropane	11.165	76	113152	22.796	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	193312	97.679	ug/l	100
59) 2-Hexanone	11.194	43	245263	124.199	ug/l	99
60) Dibromochloromethane	11.359	129	78970	23.536	ug/l	98
61) 1,2-Dibromoethane	11.471	107	65791	22.450	ug/l	99
64) Tetrachloroethene	11.106	164	61867	21.922	ug/l	99
65) Chlorobenzene	11.894	112	185749	22.844	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	73146	22.926	ug/l	94
67) Ethyl Benzene	11.965	91	339279	22.693	ug/l	96
68) m/p-Xylenes	12.070	106	254183	46.009	ug/l	91
69) o-Xylene	12.400	106	122362	22.644	ug/l	92
70) Styrene	12.412	104	179910	23.114	ug/l	94
71) Bromoform	12.582	173	51323	22.059	ug/l #	99
73) Isopropylbenzene	12.694	105	320940	22.876	ug/l	98
74) N-amyl acetate	12.494	43	87518	21.362	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	82043	21.823	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	76653m	22.001	ug/l	
77) Bromobenzene	12.982	156	78092	22.627	ug/l	94
78) n-propylbenzene	13.035	91	353760	22.870	ug/l	100
79) 2-Chlorotoluene	13.129	91	228237	22.601	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	273470	22.633	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.741	75	27574	20.780	ug/l #	51
82) 4-Chlorotoluene	13.223	91	232537	22.402	ug/l	98
83) tert-Butylbenzene	13.441	119	222743	22.509	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	274379	22.826	ug/l	98
85) sec-Butylbenzene	13.617	105	285122	22.524	ug/l	99
86) p-Isopropyltoluene	13.729	119	258758	22.639	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	133260	21.915	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	132592	21.601	ug/l	96
89) n-Butylbenzene	14.059	91	212641	22.278	ug/l	99
90) Hexachloroethane	14.335	117	42641	23.491	ug/l	66
91) 1,2-Dichlorobenzene	14.106	146	129665	22.456	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	16737	21.166	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	74921	23.370	ug/l	97
94) Hexachlorobutadiene	15.500	225	40636	22.265	ug/l	98
95) Naphthalene	15.641	128	222081	22.812	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	69821	22.569	ug/l	98

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

