

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102822\
 Data File : VN075066.D
 Acq On : 28 Oct 2022 17:24
 Operator : JC\MD
 Sample : VN1028WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/31/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 31 03:09:08 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	8.224	168	94220	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	176248	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	163067	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	75075	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	65741	51.785	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.560%			
35) Dibromofluoromethane	8.171	113	52007	50.265	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.520%			
50) Toluene-d8	10.565	98	203335	50.654	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.300%			
62) 4-Bromofluorobenzene	12.853	95	73603	52.196	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	26473	21.598	ug/l	97
3) Chloromethane	2.371	50	24895	19.122	ug/l	99
4) Vinyl Chloride	2.524	62	36417	19.608	ug/l	97
5) Bromomethane	2.912	94	23827	14.468	ug/l	97
6) Chloroethane	3.071	64	25220	18.937	ug/l	97
7) Trichlorofluoromethane	3.471	101	39433	20.784	ug/l	96
8) Diethyl Ether	3.965	74	14580	21.069	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	21636	20.649	ug/l	97
10) Methyl Iodide	4.589	142	31573	20.241	ug/l	99
11) Tert butyl alcohol	5.559	59	27682	93.504	ug/l	100
12) 1,1-Dichloroethene	4.342	96	20616	20.642	ug/l	87
13) Acrolein	4.189	56	22811	94.200	ug/l	98
14) Allyl chloride	5.018	41	29810	20.436	ug/l	95
15) Acrylonitrile	5.730	53	63460	101.473	ug/l	99
16) Acetone	4.442	43	54511	101.408	ug/l	93
17) Carbon Disulfide	4.706	76	46856	18.656	ug/l	97
18) Methyl Acetate	5.042	43	39018	22.222	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	74974	20.197	ug/l	94
20) Methylene Chloride	5.277	84	25104	20.946	ug/l	89
21) trans-1,2-Dichloroethene	5.789	96	21148	19.339	ug/l	96
22) Diisopropyl ether	6.683	45	62633	19.457	ug/l	97
23) Vinyl Acetate	6.612	43	261521m	97.288	ug/l	
24) 1,1-Dichloroethane	6.571	63	40563	19.924	ug/l	98
25) 2-Butanone	7.488	43	86574	102.394	ug/l	100
26) 2,2-Dichloropropane	7.494	77	34257	18.290	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	25814	19.767	ug/l	96
28) Bromochloromethane	7.818	49	18562	21.628	ug/l	94
29) Tetrahydrofuran	7.847	42	53369	97.683	ug/l	99
30) Chloroform	7.971	83	43201	19.544	ug/l	94
31) Cyclohexane	8.253	56	35733	18.925	ug/l	93
32) 1,1,1-Trichloroethane	8.171	97	39339	19.598	ug/l	95
36) 1,1-Dichloropropene	8.377	75	31127	19.432	ug/l	99
37) Ethyl Acetate	7.565	43	33295	18.953	ug/l	98
38) Carbon Tetrachloride	8.365	117	33568	19.051	ug/l	95
39) Methylcyclohexane	9.600	83	38519	18.215	ug/l	97
40) Benzene	8.606	78	97037	19.785	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	16500	19.605	ug/l	96
42) 1,2-Dichloroethane	8.671	62	35415	19.847	ug/l	99
43) Isopropyl Acetate	8.694	43	54117	19.860	ug/l	99
44) Trichloroethene	9.353	130	23188	18.844	ug/l	98
45) 1,2-Dichloropropane	9.624	63	24020	20.579	ug/l	100
46) Dibromomethane	9.712	93	17793	19.567	ug/l	97
47) Bromodichloromethane	9.888	83	34205	19.424	ug/l	99
48) Methyl methacrylate	9.682	41	24439	19.552	ug/l	96
49) 1,4-Dioxane	9.700	88	12431	379.789	ug/l #	97
51) 4-Methyl-2-Pentanone	10.447	43	174785	99.401	ug/l	98
52) Toluene	10.635	92	63433	19.348	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	35587	19.146	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	38378	19.467	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	25456	19.582	ug/l	93
56) Ethyl methacrylate	10.876	69	39675	20.008	ug/l	99
57) 1,3-Dichloropropane	11.165	76	42397	19.584	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	84445	110.154	ug/l	99
59) 2-Hexanone	11.200	43	133611	100.117	ug/l	98
60) Dibromochloromethane	11.359	129	25769	18.788	ug/l	98
61) 1,2-Dibromoethane	11.471	107	26335	19.767	ug/l	100
64) Tetrachloroethene	11.106	164	19878	19.883	ug/l	92
65) Chlorobenzene	11.894	112	66264	19.037	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.965	131	24177	18.724	ug/l	98
67) Ethyl Benzene	11.965	91	122401	19.546	ug/l	99
68) m/p-Xylenes	12.070	106	96257	38.308	ug/l	98
69) o-Xylene	12.400	106	48565	19.544	ug/l	98
70) Styrene	12.412	104	75810	19.133	ug/l	98
71) Bromoform	12.576	173	16722	17.298	ug/l #	99
73) Isopropylbenzene	12.700	105	125286	20.787	ug/l	100
74) N-amyl acetate	12.500	43	47970	21.519	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	39860	20.688	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	31812m	19.957	ug/l	
77) Bromobenzene	12.982	156	27452	20.686	ug/l	97
78) n-propylbenzene	13.041	91	142599	21.073	ug/l	98
79) 2-Chlorotoluene	13.129	91	86735	20.976	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	106343	21.007	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	11296	18.191	ug/l	91
82) 4-Chlorotoluene	13.129	91	86735	20.976	ug/l	98
83) tert-Butylbenzene	13.441	119	93873	20.869	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	107908	21.068	ug/l	99
85) sec-Butylbenzene	13.617	105	131906	20.962	ug/l	97
86) p-Isopropyltoluene	13.729	119	105968	20.391	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	51780	19.928	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	50783	19.748	ug/l	96
89) n-Butylbenzene	14.059	91	85219	20.363	ug/l	99
90) Hexachloroethane	14.335	117	18793	19.723	ug/l	96
91) 1,2-Dichlorobenzene	14.112	146	50243	19.450	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	8227	20.236	ug/l	94
93) 1,2,4-Trichlorobenzene	15.400	180	23076	20.759	ug/l	97
94) Hexachlorobutadiene	15.500	225	10193	18.810	ug/l	98
95) Naphthalene	15.641	128	88805	20.774	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	23646	21.409	ug/l	99

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

