

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053123\
 Data File : VN077988.D
 Acq On : 31 May 2023 12:41
 Operator : JC\MD
 Sample : VN0531WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/01/2023
 Supervised By : Mahesh Dadoda 06/01/2023

Quant Time: Jun 01 01:50:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	351888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	628886	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	555741	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	220618	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	274481	52.132	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.260%			
35) Dibromofluoromethane	8.177	113	236371	57.639	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.280%			
50) Toluene-d8	10.576	98	854053	54.107	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.220%			
62) 4-Bromofluorobenzene	12.853	95	281296	50.458	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.920%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	68102	17.005	ug/l	99
3) Chloromethane	2.371	50	80407	17.783	ug/l	97
4) Vinyl Chloride	2.524	62	101487	20.100	ug/l	97
5) Bromomethane	2.971	94	80201	21.477	ug/l	99
6) Chloroethane	3.130	64	74211	20.395	ug/l	95
7) Trichlorofluoromethane	3.506	101	145366	20.659	ug/l	100
8) Diethyl Ether	3.971	74	52992	20.629	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.383	101	79995	20.543	ug/l	97
10) Methyl Iodide	4.600	142	106160	22.859	ug/l	96
11) Tert butyl alcohol	5.530	59	69980	96.306	ug/l	96
12) 1,1-Dichloroethene	4.347	96	75221	20.324	ug/l	94
13) Acrolein	4.189	56	29359	40.916	ug/l	90
14) Allyl chloride	5.030	41	113931	20.955	ug/l	95
15) Acrylonitrile	5.730	53	188341	97.018	ug/l	98
16) Acetone	4.442	43	160612	96.960	ug/l	100
17) Carbon Disulfide	4.718	76	180113	18.061	ug/l	96
18) Methyl Acetate	5.036	43	136950	19.707	ug/l	89
19) Methyl tert-butyl Ether	5.806	73	276536	20.643	ug/l	97
20) Methylene Chloride	5.289	84	95132	20.915	ug/l	89
21) trans-1,2-Dichloroethene	5.800	96	87104	20.952	ug/l #	86
22) Diisopropyl ether	6.683	45	260834	20.467	ug/l	95
23) Vinyl Acetate	6.618	43	751331	95.154	ug/l #	91
24) 1,1-Dichloroethane	6.577	63	167845	21.498	ug/l	98
25) 2-Butanone	7.494	43	239393	92.385	ug/l #	87
26) 2,2-Dichloropropane	7.500	77	138797	20.925	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	104816	21.027	ug/l	91
28) Bromochloromethane	7.824	49	69591	20.610	ug/l	90
29) Tetrahydrofuran	7.847	42	155181	91.459	ug/l	85
30) Chloroform	7.977	83	182189	21.213	ug/l	92
31) Cyclohexane	8.265	56	136233	19.037	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	155063	21.236	ug/l	97
36) 1,1-Dichloropropene	8.377	75	127678	21.286	ug/l	98
37) Ethyl Acetate	7.571	43	98214	18.371	ug/l #	93
38) Carbon Tetrachloride	8.371	117	137777	22.747	ug/l	92
39) Methylcyclohexane	9.612	83	139159	18.950	ug/l	93
40) Benzene	8.612	78	391533	22.120	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	57191	20.087	ug/l	90
42) 1,2-Dichloroethane	8.682	62	139856	21.751	ug/l	97
43) Isopropyl Acetate	8.700	43	173300	19.845	ug/l	95
44) Trichloroethene	9.359	130	101057	22.548	ug/l	95
45) 1,2-Dichloropropane	9.629	63	102705	22.748	ug/l	95
46) Dibromomethane	9.712	93	72148	22.332	ug/l	98
47) Bromodichloromethane	9.894	83	139354	22.530	ug/l	98
48) Methyl methacrylate	9.688	41	81331	19.644	ug/l	91
49) 1,4-Dioxane	9.706	88	31045	397.003	ug/l #	87
51) 4-Methyl-2-Pentanone	10.453	43	521483	100.464	ug/l	93
52) Toluene	10.635	92	247300	22.442	ug/l	95
53) t-1,3-Dichloropropene	10.841	75	140640	21.472	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	157659	21.842	ug/l	95
55) 1,1,2-Trichloroethane	11.023	97	101135	23.115	ug/l	94
56) Ethyl methacrylate	10.882	69	136769	20.674	ug/l #	91
57) 1,3-Dichloropropane	11.171	76	168023	22.401	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	253270	77.819	ug/l	92
59) 2-Hexanone	11.206	43	358966	93.496	ug/l	91
60) Dibromochloromethane	11.365	129	104691	23.178	ug/l	99
61) 1,2-Dibromoethane	11.476	107	99568	22.811	ug/l	98
64) Tetrachloroethene	11.112	164	93664	24.100	ug/l	97
65) Chlorobenzene	11.900	112	264914	21.989	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.970	131	100277	24.055	ug/l	96
67) Ethyl Benzene	11.970	91	466184	21.592	ug/l	98
68) m/p-Xylenes	12.076	106	354341	43.314	ug/l	97
69) o-Xylene	12.406	106	175865	21.859	ug/l	96
70) Styrene	12.417	104	272661	21.334	ug/l	97
71) Bromoform	12.588	173	61592	22.210	ug/l #	99
73) Isopropylbenzene	12.700	105	449869	23.656	ug/l	99
74) N-amyl acetate	12.500	43	134154	19.085	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.947	83	132667	22.676	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	114590m	20.740	ug/l	
77) Bromobenzene	12.988	156	99032	22.819	ug/l	98
78) n-propylbenzene	13.041	91	511920	22.833	ug/l	100
79) 2-Chlorotoluene	13.135	91	314460	23.505	ug/l	99
80) 1,3,5-Trimethylbenzene	13.182	105	379672	23.754	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.747	75	34014	19.679	ug/l #	79
82) 4-Chlorotoluene	13.229	91	291723	21.916	ug/l	98
83) tert-Butylbenzene	13.447	119	323281	23.169	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	375198	23.869	ug/l	98
85) sec-Butylbenzene	13.623	105	443114	22.345	ug/l	100
86) p-Isopropyltoluene	13.735	119	359068	22.713	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	170610	21.257	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	165883	20.828	ug/l	97
89) n-Butylbenzene	14.064	91	281374	19.350	ug/l	98
90) Hexachloroethane	14.341	117	60116	23.147	ug/l	88
91) 1,2-Dichlorobenzene	14.111	146	172299	22.980	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.729	75	21597	19.067	ug/l	98
93) 1,2,4-Trichlorobenzene	15.406	180	63564	14.507	ug/l	99
94) Hexachlorobutadiene	15.511	225	34013	18.696	ug/l	96
95) Naphthalene	15.647	128	182822	12.122	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	69406	16.179	ug/l	96

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

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