

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080123\
 Data File : VX036740.D
 Acq On : 01 Aug 2023 11:44
 Operator : JC/MD
 Sample : VX0801WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0801WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/02/2023
 Supervised By : Mahesh Dadoda 08/02/2023

Quant Time: Aug 02 06:23:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	133575	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	230156	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208855	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102197	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	102593	51.908	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.820%			
35) Dibromofluoromethane	5.391	113	85383	53.973	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.940%			
50) Toluene-d8	8.647	98	292885	52.208	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.420%			
62) 4-Bromofluorobenzene	11.079	95	113820	53.776	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.560%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	33119	18.769	ug/l	99
3) Chloromethane	1.300	50	30429	18.959	ug/l	94
4) Vinyl Chloride	1.374	62	33594	20.559	ug/l	99
5) Bromomethane	1.599	94	18266	18.724	ug/l	97
6) Chloroethane	1.685	64	20517	25.826	ug/l	96
7) Trichlorofluoromethane	1.886	101	58042	23.001	ug/l	100
8) Diethyl Ether	2.136	74	21346	21.865	ug/l	79
9) 1,1,2-Trichlorotrifluo...	2.331	101	32502	21.439	ug/l	99
10) Methyl Iodide	2.453	142	26688	16.948	ug/l	93
11) Tert butyl alcohol	2.959	59	55718	119.078	ug/l #	91
12) 1,1-Dichloroethene	2.319	96	30799	20.592	ug/l	90
13) Acrolein	2.239	56	35054	131.271	ug/l	96
14) Allyl chloride	2.666	41	57247	19.437	ug/l #	94
15) Acrylonitrile	3.068	53	104165	110.697	ug/l	99
16) Acetone	2.380	43	92004	112.180	ug/l	91
17) Carbon Disulfide	2.514	76	75123	18.198	ug/l	99
18) Methyl Acetate	2.703	43	74481	21.587	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	123757	22.018	ug/l	97
20) Methylene Chloride	2.788	84	37372	20.489	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	34286	20.510	ug/l	92
22) Diisopropyl ether	3.763	45	115449	20.645	ug/l	89
23) Vinyl Acetate	3.721	43	450725	105.073	ug/l	96
24) 1,1-Dichloroethane	3.611	63	66146	21.097	ug/l	96
25) 2-Butanone	4.556	43	147974	111.205	ug/l	95
26) 2,2-Dichloropropane	4.477	77	60017	20.315	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	41961	21.134	ug/l	93
28) Bromochloromethane	4.903	49	26801	17.675	ug/l	87
29) Tetrahydrofuran	5.007	42	91961	107.194	ug/l	91
30) Chloroform	5.099	83	70051	21.838	ug/l	99
31) Cyclohexane	5.470	56	53021	19.375	ug/l	88
32) 1,1,1-Trichloroethane	5.391	97	62550	21.281	ug/l	98
36) 1,1-Dichloropropene	5.696	75	48622	20.621	ug/l	97
37) Ethyl Acetate	4.721	43	56253	21.078	ug/l	97
38) Carbon Tetrachloride	5.678	117	54247	21.640	ug/l	95
39) Methylcyclohexane	7.379	83	58603	19.988	ug/l	93
40) Benzene	6.037	78	145542	21.215	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	30749	21.542	ug/l	93
42) 1,2-Dichloroethane	6.092	62	55028	21.939	ug/l	97
43) Isopropyl Acetate	6.342	43	94181	20.501	ug/l	96
44) Trichloroethene	7.129	130	38296	21.356	ug/l	98
45) 1,2-Dichloropropane	7.433	63	38687	21.122	ug/l	97
46) Dibromomethane	7.586	93	27883	21.752	ug/l	97
47) Bromodichloromethane	7.824	83	56062	21.306	ug/l	99
48) Methyl methacrylate	7.696	41	44204	20.690	ug/l	90
49) 1,4-Dioxane	7.659	88	20718	480.028	ug/l #	92
51) 4-Methyl-2-Pentanone	8.574	43	286267	112.603	ug/l	96
52) Toluene	8.720	92	92922	21.617	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	60599	20.376	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	65077	20.737	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	40002	22.138	ug/l	98
56) Ethyl methacrylate	9.116	69	63766	21.672	ug/l	94
57) 1,3-Dichloropropane	9.311	76	67329	22.372	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	154843	106.805	ug/l	97
59) 2-Hexanone	9.427	43	215927	114.442	ug/l	94
60) Dibromochloromethane	9.518	129	43592	21.950	ug/l	100
61) 1,2-Dibromoethane	9.610	107	41886	22.367	ug/l	99
64) Tetrachloroethene	9.275	164	33176	21.297	ug/l	98
65) Chlorobenzene	10.079	112	100052	21.733	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	38945	21.886	ug/l	98
67) Ethyl Benzene	10.195	91	180543	21.467	ug/l	100
68) m/p-Xylenes	10.299	106	136922	43.634	ug/l	97
69) o-Xylene	10.640	106	69130	22.071	ug/l	97
70) Styrene	10.652	104	113678	21.998	ug/l	97
71) Bromoform	10.799	173	31074	21.573	ug/l #	100
73) Isopropylbenzene	10.963	105	178580	21.114	ug/l	98
74) N-amyl acetate	10.841	43	79794	20.232	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	62087	21.735	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	51635m	21.481	ug/l	
77) Bromobenzene	11.195	156	42425	22.026	ug/l	93
78) n-propylbenzene	11.305	91	204260	20.882	ug/l	99
79) 2-Chlorotoluene	11.366	91	122810	20.720	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	148943	21.051	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	19724	18.598	ug/l	89
82) 4-Chlorotoluene	11.451	91	141135	20.898	ug/l	98
83) tert-Butylbenzene	11.713	119	149418	21.496	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	149643	21.148	ug/l	97
85) sec-Butylbenzene	11.890	105	187302	21.607	ug/l	99
86) p-Isopropyltoluene	12.006	119	154690	21.687	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	77795	21.807	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	77943	22.016	ug/l	99
89) n-Butylbenzene	12.329	91	134315	21.035	ug/l	99
90) Hexachloroethane	12.536	117	28798	19.915	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	77447	22.497	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	13917	20.965	ug/l	84
93) 1,2,4-Trichlorobenzene	13.585	180	46154	21.761	ug/l	97
94) Hexachlorobutadiene	13.725	225	17813	20.301	ug/l	98
95) Naphthalene	13.774	128	163643	22.141	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	46391	22.192	ug/l	99

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

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