

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070523\
 Data File : VX036397.D
 Acq On : 05 Jul 2023 12:34
 Operator : JC/MD
 Sample : VX0705WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0705WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/06/2023
 Supervised By : Mahesh Dadoda 07/07/2023

Quant Time: Jul 06 04:48:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	191680	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	324492	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	292742	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	142006	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	138305	50.337	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.680%			
35) Dibromofluoromethane	5.385	113	111739	52.224	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.440%			
50) Toluene-d8	8.647	98	397064	49.686	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.380%			
62) 4-Bromofluorobenzene	11.079	95	145752	51.780	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.560%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	36533	20.132	ug/l	97
3) Chloromethane	1.294	50	53225	16.908	ug/l	99
4) Vinyl Chloride	1.374	62	59416	17.264	ug/l	97
5) Bromomethane	1.617	94	49580	19.688	ug/l	99
6) Chloroethane	1.691	64	50623	20.036	ug/l	98
7) Trichlorofluoromethane	1.886	101	96580	18.458	ug/l	100
8) Diethyl Ether	2.136	74	40521	20.061	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	43312	19.723	ug/l	96
10) Methyl Iodide	2.453	142	55121	20.716	ug/l	92
11) Tert butyl alcohol	2.989	59	58646	117.259	ug/l #	90
12) 1,1-Dichloroethene	2.319	96	43669	20.046	ug/l	90
13) Acrolein	2.239	56	35223	51.280	ug/l	99
14) Allyl chloride	2.666	41	77438	21.874	ug/l	98
15) Acrylonitrile	3.068	53	137466	108.436	ug/l	98
16) Acetone	2.392	43	132984	113.235	ug/l	90
17) Carbon Disulfide	2.514	76	103721	19.387	ug/l	99
18) Methyl Acetate	2.709	43	108660	22.500	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	164242	23.330	ug/l	97
20) Methylene Chloride	2.794	84	52928	20.931	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	47909	20.610	ug/l	88
22) Diisopropyl ether	3.763	45	157871	22.255	ug/l	86
23) Vinyl Acetate	3.721	43	603187	117.171	ug/l	98
24) 1,1-Dichloroethane	3.611	63	89061	21.303	ug/l	98
25) 2-Butanone	4.568	43	196193	116.271	ug/l	94
26) 2,2-Dichloropropane	4.477	77	72862	24.574	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	56623	21.720	ug/l	94
28) Bromochloromethane	4.903	49	37453	17.274	ug/l	88
29) Tetrahydrofuran	5.013	42	121067	112.695	ug/l	92
30) Chloroform	5.099	83	94615	22.470	ug/l	98
31) Cyclohexane	5.470	56	67702	19.228	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	77373	21.998	ug/l	99
36) 1,1-Dichloropropene	5.702	75	63989	20.063	ug/l	98
37) Ethyl Acetate	4.714	43	77356	23.797	ug/l	99
38) Carbon Tetrachloride	5.678	117	64576	22.169	ug/l	96
39) Methylcyclohexane	7.385	83	70177	18.371	ug/l	91
40) Benzene	6.037	78	197744	22.195	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	40609	22.519	ug/l	93
42) 1,2-Dichloroethane	6.086	62	77426	22.848	ug/l	100
43) Isopropyl Acetate	6.342	43	125414	24.185	ug/l	98
44) Trichloroethene	7.129	130	51703	20.864	ug/l	98
45) 1,2-Dichloropropane	7.433	63	53969	22.242	ug/l	97
46) Dibromomethane	7.580	93	39228	22.967	ug/l	94
47) Bromodichloromethane	7.824	83	70301	22.760	ug/l	96
48) Methyl methacrylate	7.690	41	60077	23.235	ug/l	91
49) 1,4-Dioxane	7.708	88	26667	465.239	ug/l #	89
51) 4-Methyl-2-Pentanone	8.574	43	393776	117.864	ug/l	98
52) Toluene	8.720	92	123340	21.845	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	79408	25.450	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	86035	24.392	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	53514	22.805	ug/l	95
56) Ethyl methacrylate	9.116	69	83346	23.746	ug/l	96
57) 1,3-Dichloropropane	9.311	76	90353	22.467	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	225628	114.387	ug/l	99
59) 2-Hexanone	9.433	43	299702	122.842	ug/l	98
60) Dibromochloromethane	9.525	129	54506	23.907	ug/l	100
61) 1,2-Dibromoethane	9.610	107	57810	23.214	ug/l	100
64) Tetrachloroethene	9.275	164	44815	21.681	ug/l	96
65) Chlorobenzene	10.079	112	135955	22.093	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	50020	24.047	ug/l	98
67) Ethyl Benzene	10.195	91	235492	21.525	ug/l	98
68) m/p-Xylenes	10.299	106	181824	42.777	ug/l	96
69) o-Xylene	10.640	106	90312	22.002	ug/l	96
70) Styrene	10.652	104	148053	22.030	ug/l	98
71) Bromoform	10.799	173	38494	25.801	ug/l #	99
73) Isopropylbenzene	10.963	105	223009	20.839	ug/l	98
74) N-amyl acetate	10.841	43	106460	25.150	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	83799	23.123	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	69728m	23.020	ug/l	
77) Bromobenzene	11.195	156	58285	22.149	ug/l	91
78) n-propylbenzene	11.305	91	258356	20.672	ug/l	99
79) 2-Chlorotoluene	11.366	91	161077	21.665	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	189500	20.909	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	24021	25.851	ug/l	94
82) 4-Chlorotoluene	11.451	91	182337	21.065	ug/l	96
83) tert-Butylbenzene	11.713	119	179969	20.720	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	192549	21.475	ug/l	96
85) sec-Butylbenzene	11.890	105	217880	19.801	ug/l	100
86) p-Isopropyltoluene	12.006	119	186376	20.183	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	105712	21.850	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	105745	21.465	ug/l	98
89) n-Butylbenzene	12.329	91	156555	19.050	ug/l	98
90) Hexachloroethane	12.536	117	30177	21.576	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	104619	21.961	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18471	26.834	ug/l	87
93) 1,2,4-Trichlorobenzene	13.585	180	64324	21.922	ug/l	98
94) Hexachlorobutadiene	13.725	225	23615	19.651	ug/l	97
95) Naphthalene	13.774	128	228489	23.570	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	63873	22.316	ug/l	97

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

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