

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062423\
 Data File : VX036303.D
 Acq On : 24 Jun 2023 11:54
 Operator : JC/MD
 Sample : VX0624WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0624WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/26/2023
 Supervised By : Mahesh Dadoda 06/26/2023

Quant Time: Jun 26 03:21:58 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	5.550	168	238260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	401976	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	364148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	179787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	169941	49.759	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.520%		
35) Dibromofluoromethane	5.385	113	135652	51.179	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.360%		
50) Toluene-d8	8.647	98	507255	51.240	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.480%		
62) 4-Bromofluorobenzene	11.079	95	182345	52.293	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.580%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	42058	18.645	ug/l	94
3) Chloromethane	1.294	50	68941	17.618	ug/l	96
4) Vinyl Chloride	1.374	62	77027	18.006	ug/l	100
5) Bromomethane	1.617	94	54736	17.486	ug/l	100
6) Chloroethane	1.691	64	56286	17.922	ug/l	98
7) Trichlorofluoromethane	1.892	101	116795	17.958	ug/l	98
8) Diethyl Ether	2.130	74	46537	18.536	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.331	101	52105	19.089	ug/l	95
10) Methyl Iodide	2.453	142	59296	17.928	ug/l	94
11) Tert butyl alcohol	3.007	59	49936	80.324	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	49723	18.363	ug/l	88
13) Acrolein	2.239	56	75956	88.963	ug/l	100
14) Allyl chloride	2.666	41	84924	19.299	ug/l	98
15) Acrylonitrile	3.068	53	149128	94.638	ug/l	99
16) Acetone	2.392	43	139143	95.317	ug/l	94
17) Carbon Disulfide	2.514	76	119331	17.944	ug/l	100
18) Methyl Acetate	2.703	43	112436	18.730	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	168404	19.245	ug/l	97
20) Methylene Chloride	2.788	84	55328	17.603	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	52335	18.112	ug/l	96
22) Diisopropyl ether	3.757	45	168983	19.164	ug/l	96
23) Vinyl Acetate	3.721	43	623228	97.396	ug/l	100
24) 1,1-Dichloroethane	3.605	63	97223	18.709	ug/l	100
25) 2-Butanone	4.562	43	204684	97.588	ug/l	95
26) 2,2-Dichloropropane	4.477	77	74511	20.217	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	59802	18.455	ug/l	94
28) Bromochloromethane	4.897	49	49554	18.387	ug/l	91
29) Tetrahydrofuran	5.013	42	130008	97.358	ug/l	96
30) Chloroform	5.086	83	99666	19.042	ug/l	95
31) Cyclohexane	5.470	56	82873	18.935	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	85688	19.599	ug/l	99
36) 1,1-Dichloropropene	5.696	75	73674	18.647	ug/l	98
37) Ethyl Acetate	4.714	43	78541	19.504	ug/l	99
38) Carbon Tetrachloride	5.672	117	72218	20.013	ug/l	99
39) Methylcyclohexane	7.379	83	91350	19.304	ug/l	96
40) Benzene	6.037	78	213067	19.305	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	43332	19.398	ug/l	96
42) 1,2-Dichloroethane	6.086	62	80975	19.289	ug/l	98
43) Isopropyl Acetate	6.336	43	126202	19.646	ug/l	98
44) Trichloroethene	7.129	130	56505	18.407	ug/l	93
45) 1,2-Dichloropropane	7.427	63	57580	19.156	ug/l	97
46) Dibromomethane	7.574	93	40025	18.916	ug/l	94
47) Bromodichloromethane	7.818	83	73961	19.329	ug/l	99
48) Methyl methacrylate	7.690	41	62452	19.498	ug/l	93
49) 1,4-Dioxane	7.714	88	23379	329.255	ug/l #	94
51) 4-Methyl-2-Pentanone	8.574	43	408751	98.763	ug/l	99
52) Toluene	8.720	92	133237	19.049	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	78266	20.249	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	85490	19.566	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	54435	18.726	ug/l	96
56) Ethyl methacrylate	9.116	69	84620	19.462	ug/l	97
57) 1,3-Dichloropropane	9.305	76	94454	18.960	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	244867	100.211	ug/l	97
59) 2-Hexanone	9.427	43	310969	102.891	ug/l	97
60) Dibromochloromethane	9.518	129	53789	19.045	ug/l	100
61) 1,2-Dibromoethane	9.610	107	58450	18.947	ug/l	100
64) Tetrachloroethene	9.275	164	49872	19.396	ug/l	96
65) Chlorobenzene	10.079	112	146282	19.110	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	50542	19.534	ug/l	96
67) Ethyl Benzene	10.195	91	261819	19.239	ug/l	98
68) m/p-Xylenes	10.299	106	201719	38.152	ug/l	97
69) o-Xylene	10.640	106	98477	19.287	ug/l	98
70) Styrene	10.652	104	160916	19.249	ug/l	97
71) Bromoform	10.799	173	36598	19.720	ug/l #	99
73) Isopropylbenzene	10.963	105	257416	18.999	ug/l	98
74) N-amyl acetate	10.841	43	108872	20.315	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	87239	19.014	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	72593m	18.930	ug/l	
77) Bromobenzene	11.195	156	61704	18.521	ug/l	93
78) n-propylbenzene	11.305	91	302695	19.130	ug/l	99
79) 2-Chlorotoluene	11.366	91	178836	18.999	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	216914	18.904	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	22763	19.349	ug/l	99
82) 4-Chlorotoluene	11.451	91	205018	18.708	ug/l	98
83) tert-Butylbenzene	11.713	119	209479	19.050	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	218236	19.225	ug/l	97
85) sec-Butylbenzene	11.890	105	271440	19.485	ug/l	99
86) p-Isopropyltoluene	12.006	119	224765	19.225	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	115582	18.870	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	115600	18.534	ug/l	98
89) n-Butylbenzene	12.329	91	203877	19.595	ug/l	96
90) Hexachloroethane	12.536	117	32929	18.596	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	115293	19.116	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18132	20.806	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	73437	19.768	ug/l	96
94) Hexachlorobutadiene	13.725	225	30358	19.953	ug/l	97
95) Naphthalene	13.774	128	238222	19.410	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	72029	19.877	ug/l	97

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

