

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102723\
 Data File : VX038592.D
 Acq On : 27 Oct 2023 11:07
 Operator : JC/MD
 Sample : VX1027WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1027WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/30/2023
 Supervised By : Mahesh Dadoda 10/30/2023

Quant Time: Oct 30 01:26:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	217745	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	341015	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	332487	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	196569	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	138331	39.497	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	79.000%		
35) Dibromofluoromethane	5.379	113	125116	50.918	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.840%		
50) Toluene-d8	8.647	98	425780	45.346	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.700%#		
62) 4-Bromofluorobenzene	11.079	95	176436	49.565	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.120%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	36728	17.475	ug/l	96
3) Chloromethane	1.301	50	33664	15.715	ug/l	98
4) Vinyl Chloride	1.374	62	37936	15.972	ug/l	99
5) Bromomethane	1.605	94	40033	12.189	ug/l	99
6) Chloroethane	1.685	64	26107	14.648	ug/l	100
7) Trichlorofluoromethane	1.886	101	69287	14.769	ug/l	98
8) Diethyl Ether	2.130	74	25449	14.545	ug/l	78
9) 1,1,2-Trichlorotrifluo...	2.325	101	41357	20.193	ug/l	91
10) Methyl Iodide	2.453	142	51573	17.501	ug/l	92
11) Tert butyl alcohol	2.947	59	64930	76.278	ug/l	# 94
12) 1,1-Dichloroethene	2.319	96	37366	18.756	ug/l	84
13) Acrolein	2.233	56	56881	114.245	ug/l	99
14) Allyl chloride	2.660	41	55625	15.610	ug/l	# 95
15) Acrylonitrile	3.056	53	135266	84.869	ug/l	99
16) Acetone	2.373	43	125133	85.609	ug/l	# 88
17) Carbon Disulfide	2.508	76	81512	14.196	ug/l	99
18) Methyl Acetate	2.697	43	111682	17.817	ug/l	# 89
19) Methyl tert-butyl Ether	3.111	73	134400	16.939	ug/l	97
20) Methylene Chloride	2.788	84	45780	16.651	ug/l	# 85
21) trans-1,2-Dichloroethene	3.093	96	42174	17.098	ug/l	83
22) Diisopropyl ether	3.757	45	116550	15.606	ug/l	# 91
23) Vinyl Acetate	3.715	43	414591	75.700	ug/l	# 93
24) 1,1-Dichloroethane	3.605	63	74675	16.476	ug/l	98
25) 2-Butanone	4.550	43	186281	78.987	ug/l	# 90
26) 2,2-Dichloropropane	4.471	77	56495	15.965	ug/l	91
27) cis-1,2-Dichloroethene	4.483	96	51221	17.436	ug/l	86
28) Bromochloromethane	4.897	49	32505	15.887	ug/l	# 69
29) Tetrahydrofuran	4.995	42	115468	75.201	ug/l	# 85
30) Chloroform	5.093	83	85420	17.235	ug/l	99
31) Cyclohexane	5.471	56	54017	14.236	ug/l	88
32) 1,1,1-Trichloroethane	5.379	97	72962	17.187	ug/l	97
36) 1,1-Dichloropropene	5.690	75	56235	16.596	ug/l	94
37) Ethyl Acetate	4.708	43	65868	16.368	ug/l	# 95
38) Carbon Tetrachloride	5.678	117	63558	19.067	ug/l	93
39) Methylcyclohexane	7.379	83	65772	16.571	ug/l	89
40) Benzene	6.037	78	172042	18.153	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	33341	16.654	ug/l #	85
42) 1,2-Dichloroethane	6.086	62	65750	17.364	ug/l	97
43) Isopropyl Acetate	6.336	43	97673	16.258	ug/l #	94
44) Trichloroethene	7.123	130	51046	20.593	ug/l	95
45) 1,2-Dichloropropane	7.434	63	43573	17.764	ug/l	97
46) Dibromomethane	7.580	93	35484	18.652	ug/l	91
47) Bromodichloromethane	7.818	83	64414	19.033	ug/l	97
48) Methyl methacrylate	7.690	41	48400	16.876	ug/l #	84
49) 1,4-Dioxane	7.653	88	24079	340.716	ug/l #	86
51) 4-Methyl-2-Pentanone	8.568	43	351545	84.837	ug/l	94
52) Toluene	8.720	92	114919	18.614	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	63290	17.422	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	68921	18.057	ug/l #	87
55) 1,1,2-Trichloroethane	9.153	97	50999	19.313	ug/l	97
56) Ethyl methacrylate	9.116	69	70568	17.430	ug/l	90
57) 1,3-Dichloropropane	9.305	76	78269	18.326	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	157220	79.111	ug/l	94
59) 2-Hexanone	9.427	43	283290	85.039	ug/l	93
60) Dibromochloromethane	9.519	129	53685	20.773	ug/l	98
61) 1,2-Dibromoethane	9.610	107	55477	19.427	ug/l	99
64) Tetrachloroethene	9.275	164	44216	20.542	ug/l	95
65) Chlorobenzene	10.079	112	131548	18.908	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	49778	21.158	ug/l	99
67) Ethyl Benzene	10.195	91	223342	17.984	ug/l	95
68) m/p-Xylenes	10.299	106	176306	36.715	ug/l	96
69) o-Xylene	10.640	106	86130	18.378	ug/l	96
70) Styrene	10.653	104	145456	19.058	ug/l	95
71) Bromoform	10.799	173	40987	20.567	ug/l #	99
73) Isopropylbenzene	10.963	105	233810	17.736	ug/l	99
74) N-amyl acetate	10.841	43	84471	15.005	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	86610	17.905	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	77862m	17.424	ug/l	
77) Bromobenzene	11.195	156	60967	18.943	ug/l	84
78) n-propylbenzene	11.305	91	271534	16.846	ug/l	98
79) 2-Chlorotoluene	11.366	91	161407	16.885	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	196740	17.299	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	20250	16.198	ug/l	96
82) 4-Chlorotoluene	11.451	91	190442	16.836	ug/l	94
83) tert-Butylbenzene	11.713	119	197236	17.748	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	197898	17.452	ug/l	97
85) sec-Butylbenzene	11.890	105	251759	17.489	ug/l	98
86) p-Isopropyltoluene	12.006	119	211652	17.820	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	119013	18.411	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	121657	18.434	ug/l	98
89) n-Butylbenzene	12.329	91	189169	15.993	ug/l	96
90) Hexachloroethane	12.536	117	34112	17.322	ug/l	82
91) 1,2-Dichlorobenzene	12.335	146	118094	19.005	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19604	16.762	ug/l	70
93) 1,2,4-Trichlorobenzene	13.585	180	81951	19.664	ug/l	96
94) Hexachlorobutadiene	13.725	225	32627	19.451	ug/l	98
95) Naphthalene	13.774	128	254620	17.544	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	79213	19.630	ug/l	97

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

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