

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072123\
 Data File : VX036610.D
 Acq On : 21 Jul 2023 15:37
 Operator : JC/MD
 Sample : VX0721WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/24/2023
 Supervised By : Mahesh Dadoda 07/24/2023

Quant Time: Jul 21 23:06:02 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	5.550	168	179883	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	309258	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	276965	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	134247	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	137283	51.578	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.160%			
35) Dibromofluoromethane	5.385	113	110208	51.846	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.700%			
50) Toluene-d8	8.647	98	387431	51.396	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.800%			
62) 4-Bromofluorobenzene	11.079	95	150003	52.744	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.480%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	41741	17.565	ug/l	97
3) Chloromethane	1.294	50	36744	17.000	ug/l	99
4) Vinyl Chloride	1.374	62	39263	17.842	ug/l	98
5) Bromomethane	1.611	94	22997	17.505	ug/l	96
6) Chloroethane	1.685	64	20900	19.535	ug/l	97
7) Trichlorofluoromethane	1.886	101	62542	18.404	ug/l	98
8) Diethyl Ether	2.136	74	24254	18.448	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.331	101	38607	18.910	ug/l	100
10) Methyl Iodide	2.453	142	38826	18.309	ug/l	90
11) Tert butyl alcohol	2.983	59	63519	100.804	ug/l #	94
12) 1,1-Dichloroethene	2.319	96	37060	18.399	ug/l	92
13) Acrolein	2.239	56	35755	99.427	ug/l	95
14) Allyl chloride	2.666	41	73650	18.569	ug/l	93
15) Acrylonitrile	3.068	53	130074	102.646	ug/l	99
16) Acetone	2.386	43	111765	101.193	ug/l	95
17) Carbon Disulfide	2.514	76	98012	17.631	ug/l	99
18) Methyl Acetate	2.703	43	94138	20.261	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	153452	20.273	ug/l	100
20) Methylene Chloride	2.788	84	45045	18.338	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	40813	18.130	ug/l	93
22) Diisopropyl ether	3.757	45	148438	19.710	ug/l	97
23) Vinyl Acetate	3.721	43	596504	103.259	ug/l	96
24) 1,1-Dichloroethane	3.611	63	80520	19.070	ug/l	98
25) 2-Butanone	4.562	43	184379	102.893	ug/l	96
26) 2,2-Dichloropropane	4.477	77	73761	18.540	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	50640	18.939	ug/l	95
28) Bromochloromethane	4.897	49	47843	23.429	ug/l	94
29) Tetrahydrofuran	5.013	42	118588	102.647	ug/l	95
30) Chloroform	5.092	83	83505	19.331	ug/l	99
31) Cyclohexane	5.470	56	68301	18.534	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	73044	18.454	ug/l	98
36) 1,1-Dichloropropene	5.690	75	60092	18.967	ug/l	99
37) Ethyl Acetate	4.714	43	73775	20.573	ug/l	97
38) Carbon Tetrachloride	5.678	117	62913	18.678	ug/l	98
39) Methylcyclohexane	7.379	83	74549	18.923	ug/l	98
40) Benzene	6.037	78	174745	18.957	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	39773	20.737	ug/l	93
42) 1,2-Dichloroethane	6.086	62	68185	20.231	ug/l	95
43) Isopropyl Acetate	6.342	43	125148	20.274	ug/l	96
44) Trichloroethene	7.123	130	45914	19.056	ug/l	98
45) 1,2-Dichloropropane	7.427	63	47901	19.463	ug/l	99
46) Dibromomethane	7.580	93	33970	19.722	ug/l	97
47) Bromodichloromethane	7.824	83	68851	19.474	ug/l	97
48) Methyl methacrylate	7.690	41	58615	20.418	ug/l	94
49) 1,4-Dioxane	7.690	88	24484	422.185	ug/l #	94
51) 4-Methyl-2-Pentanone	8.574	43	368422	107.851	ug/l	97
52) Toluene	8.720	92	111008	19.219	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	80311	20.097	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	82476	19.559	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	48095	19.809	ug/l	97
56) Ethyl methacrylate	9.116	69	82144	20.777	ug/l	95
57) 1,3-Dichloropropane	9.305	76	81245	20.091	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	214964	110.349	ug/l	98
59) 2-Hexanone	9.427	43	274672	108.341	ug/l	96
60) Dibromochloromethane	9.518	129	52877	19.815	ug/l	100
61) 1,2-Dibromoethane	9.610	107	50949	20.247	ug/l	100
64) Tetrachloroethene	9.275	164	39480	19.111	ug/l	95
65) Chlorobenzene	10.079	112	116669	19.110	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	46502	19.707	ug/l	99
67) Ethyl Benzene	10.195	91	213835	19.173	ug/l	98
68) m/p-Xylenes	10.299	106	161439	38.796	ug/l	100
69) o-Xylene	10.640	106	81608	19.647	ug/l	97
70) Styrene	10.652	104	134083	19.566	ug/l	98
71) Bromoform	10.799	173	38496	20.153	ug/l #	98
73) Isopropylbenzene	10.963	105	208231	18.742	ug/l	98
74) N-amyl acetate	10.841	43	104187	20.110	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	73854	19.681	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	63378m	20.071	ug/l	
77) Bromobenzene	11.195	156	48903	19.328	ug/l	96
78) n-propylbenzene	11.305	91	241687	18.810	ug/l	100
79) 2-Chlorotoluene	11.366	91	144357	18.541	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	177207	19.066	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	28257	20.283	ug/l #	84
82) 4-Chlorotoluene	11.451	91	168843	19.032	ug/l	99
83) tert-Butylbenzene	11.713	119	172124	18.851	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	176891	19.030	ug/l	98
85) sec-Butylbenzene	11.890	105	216313	18.996	ug/l	99
86) p-Isopropyltoluene	12.006	119	180449	19.259	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	89451	19.088	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	89479	19.240	ug/l	99
89) n-Butylbenzene	12.329	91	159842	19.057	ug/l	100
90) Hexachloroethane	12.536	117	35667	18.777	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	87824	19.421	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17507	20.077	ug/l	88
93) 1,2,4-Trichlorobenzene	13.585	180	53993	19.380	ug/l	98
94) Hexachlorobutadiene	13.725	225	21749	18.869	ug/l	98
95) Naphthalene	13.774	128	195702	20.157	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	54387	19.806	ug/l	99

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

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