

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072423\
 Data File : VX036623.D
 Acq On : 24 Jul 2023 11:41
 Operator : JC/MD
 Sample : VX0724WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0724WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/25/2023
 Supervised By : Mahesh Dadoda 07/25/2023

Quant Time: Jul 25 06:34:03 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	186895	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	327803	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	297352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	146851	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	140256	50.718	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.440%			
35) Dibromofluoromethane	5.385	113	114948	51.017	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.040%			
50) Toluene-d8	8.647	98	407692	51.024	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.040%			
62) 4-Bromofluorobenzene	11.079	95	160802	53.342	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.680%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	44391	17.980	ug/l	98
3) Chloromethane	1.295	50	41376	18.425	ug/l	97
4) Vinyl Chloride	1.374	62	43207	18.898	ug/l	99
5) Bromomethane	1.618	94	25976	19.031	ug/l	97
6) Chloroethane	1.691	64	23524	21.163	ug/l	96
7) Trichlorofluoromethane	1.886	101	69095	19.570	ug/l	98
8) Diethyl Ether	2.136	74	25168	18.425	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.331	101	41162	19.405	ug/l	97
10) Methyl Iodide	2.453	142	43090	19.558	ug/l	92
11) Tert butyl alcohol	2.995	59	62104	94.860	ug/l #	90
12) 1,1-Dichloroethene	2.319	96	39977	19.102	ug/l	90
13) Acrolein	2.239	56	34377	92.008	ug/l	99
14) Allyl chloride	2.666	41	76408	18.541	ug/l	93
15) Acrylonitrile	3.069	53	131406	99.806	ug/l	99
16) Acetone	2.392	43	114045	99.383	ug/l	92
17) Carbon Disulfide	2.514	76	106461	18.432	ug/l	100
18) Methyl Acetate	2.709	43	94448	19.565	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	153151	19.474	ug/l	100
20) Methylene Chloride	2.788	84	47274	18.524	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	43326	18.524	ug/l	93
22) Diisopropyl ether	3.757	45	152123	19.442	ug/l	98
23) Vinyl Acetate	3.721	43	589056	98.144	ug/l	96
24) 1,1-Dichloroethane	3.611	63	83841	19.112	ug/l	98
25) 2-Butanone	4.562	43	186415	100.126	ug/l	93
26) 2,2-Dichloropropane	4.477	77	77771	18.814	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	52500	18.898	ug/l	94
28) Bromochloromethane	4.898	49	47538	22.406	ug/l	94
29) Tetrahydrofuran	5.013	42	118113	98.400	ug/l	93
30) Chloroform	5.099	83	87057	19.397	ug/l	100
31) Cyclohexane	5.477	56	72153	18.844	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	78418	19.068	ug/l	99
36) 1,1-Dichloropropene	5.690	75	62689	18.667	ug/l	98
37) Ethyl Acetate	4.715	43	71833	18.898	ug/l	96
38) Carbon Tetrachloride	5.684	117	67686	18.958	ug/l	95
39) Methylcyclohexane	7.379	83	75859	18.166	ug/l	95
40) Benzene	6.038	78	184665	18.900	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	39082	19.224	ug/l	92
42) 1,2-Dichloroethane	6.092	62	68761	19.248	ug/l	96
43) Isopropyl Acetate	6.342	43	122758	18.762	ug/l	96
44) Trichloroethene	7.123	130	48137	18.848	ug/l	99
45) 1,2-Dichloropropane	7.428	63	48500	18.592	ug/l	98
46) Dibromomethane	7.580	93	34839	19.082	ug/l	97
47) Bromodichloromethane	7.818	83	71903	19.186	ug/l	100
48) Methyl methacrylate	7.696	41	57551	18.913	ug/l	93
49) 1,4-Dioxane	7.696	88	24206	393.778	ug/l #	95
51) 4-Methyl-2-Pentanone	8.574	43	366785	101.297	ug/l	97
52) Toluene	8.720	92	116310	18.998	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	81444	19.228	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	85401	19.107	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	48276	18.759	ug/l	95
56) Ethyl methacrylate	9.116	69	82246	19.626	ug/l	94
57) 1,3-Dichloropropane	9.305	76	83649	19.515	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	207913	100.691	ug/l	99
59) 2-Hexanone	9.427	43	279140	103.874	ug/l	95
60) Dibromochloromethane	9.519	129	54922	19.417	ug/l	99
61) 1,2-Dibromoethane	9.610	107	51556	19.330	ug/l	99
64) Tetrachloroethene	9.275	164	42254	19.051	ug/l	100
65) Chlorobenzene	10.080	112	125120	19.089	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	49684	19.612	ug/l	99
67) Ethyl Benzene	10.195	91	229182	19.140	ug/l	100
68) m/p-Xylenes	10.299	106	174861	39.140	ug/l	98
69) o-Xylene	10.640	106	86659	19.433	ug/l	100
70) Styrene	10.653	104	141700	19.259	ug/l	99
71) Bromoform	10.799	173	40791	19.891	ug/l #	100
73) Isopropylbenzene	10.964	105	225739	18.574	ug/l	99
74) N-amyl acetate	10.842	43	107434	18.957	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	77674	18.923	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	67322m	19.490	ug/l	
77) Bromobenzene	11.195	156	52218	18.867	ug/l	98
78) n-propylbenzene	11.305	91	262219	18.656	ug/l	99
79) 2-Chlorotoluene	11.360	91	159136	18.685	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	191929	18.878	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	27983	18.362	ug/l	87
82) 4-Chlorotoluene	11.451	91	182261	18.782	ug/l	100
83) tert-Butylbenzene	11.713	119	188238	18.846	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	191449	18.829	ug/l	97
85) sec-Butylbenzene	11.890	105	236280	18.969	ug/l	100
86) p-Isopropyltoluene	12.006	119	195239	19.049	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	98127	19.143	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	98141	19.292	ug/l	99
89) n-Butylbenzene	12.329	91	173030	18.859	ug/l	99
90) Hexachloroethane	12.536	117	39447	18.985	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	97415	19.693	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17909	18.775	ug/l	88
93) 1,2,4-Trichlorobenzene	13.585	180	58174	19.088	ug/l	98
94) Hexachlorobutadiene	13.725	225	23607	18.723	ug/l	99
95) Naphthalene	13.774	128	204874	19.291	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	57513	19.147	ug/l	98

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

