

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081423\
 Data File : VX036960.D
 Acq On : 14 Aug 2023 13:21
 Operator : JC/MD
 Sample : VX0814WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/15/2023
 Supervised By : Mahesh Dadoda 08/15/2023

Quant Time: Aug 15 01:28:27 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	156859	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	265449	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230018	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	110851	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	111539	48.057	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.120%		
35) Dibromofluoromethane	5.385	113	93117	51.036	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.080%		
50) Toluene-d8	8.647	98	296217	45.781	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.560%#		
62) 4-Bromofluorobenzene	11.079	95	115408	47.277	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	36915	17.815	ug/l	95
3) Chloromethane	1.301	50	28571	15.159	ug/l	98
4) Vinyl Chloride	1.374	62	33467	17.441	ug/l	95
5) Bromomethane	1.599	94	23314	20.351	ug/l	98
6) Chloroethane	1.685	64	21970	23.550	ug/l	99
7) Trichlorofluoromethane	1.886	101	61196	20.651	ug/l	99
8) Diethyl Ether	2.136	74	21736	18.959	ug/l	75
9) 1,1,2-Trichlorotrifluo...	2.325	101	34184	19.201	ug/l	99
10) Methyl Iodide	2.453	142	39257	21.230	ug/l	93
11) Tert butyl alcohol	2.959	59	47067	85.658	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	31685	18.039	ug/l	89
13) Acrolein	2.233	56	28401	90.569	ug/l	99
14) Allyl chloride	2.666	41	53222	15.388	ug/l #	95
15) Acrylonitrile	3.062	53	97969	88.658	ug/l	99
16) Acetone	2.380	43	86222	89.525	ug/l	91
17) Carbon Disulfide	2.514	76	74780	15.426	ug/l	98
18) Methyl Acetate	2.703	43	70551	17.413	ug/l	91
19) Methyl tert-butyl Ether	3.111	73	123795	18.756	ug/l	99
20) Methylene Chloride	2.788	84	37256	17.394	ug/l #	88
21) trans-1,2-Dichloroethene	3.093	96	35470	18.069	ug/l	87
22) Diisopropyl ether	3.764	45	108762	16.562	ug/l	87
23) Vinyl Acetate	3.721	43	420811	83.537	ug/l #	93
24) 1,1-Dichloroethane	3.611	63	65440	17.773	ug/l	98
25) 2-Butanone	4.556	43	136657	87.455	ug/l #	89
26) 2,2-Dichloropropane	4.477	77	63061	18.177	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	42198	18.098	ug/l	93
28) Bromochloromethane	4.904	49	30283	17.006	ug/l #	82
29) Tetrahydrofuran	5.007	42	85802	85.169	ug/l #	86
30) Chloroform	5.093	83	72255	19.182	ug/l	97
31) Cyclohexane	5.471	56	51023	15.877	ug/l	89
32) 1,1,1-Trichloroethane	5.385	97	65926	19.100	ug/l	98
36) 1,1-Dichloropropene	5.690	75	50907	18.719	ug/l	98
37) Ethyl Acetate	4.715	43	52325	16.999	ug/l #	95
38) Carbon Tetrachloride	5.678	117	56790	19.642	ug/l	97
39) Methylcyclohexane	7.379	83	52726	15.592	ug/l	93
40) Benzene	6.038	78	146481	18.513	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	27937	16.970	ug/l #	88
42) 1,2-Dichloroethane	6.092	62	57879	20.008	ug/l	96
43) Isopropyl Acetate	6.342	43	89288	16.852	ug/l #	94
44) Trichloroethene	7.129	130	40130	19.404	ug/l	98
45) 1,2-Dichloropropane	7.428	63	37565	17.782	ug/l	99
46) Dibromomethane	7.580	93	28621	19.359	ug/l	96
47) Bromodichloromethane	7.824	83	56298	18.551	ug/l	96
48) Methyl methacrylate	7.696	41	42309	17.170	ug/l #	88
49) 1,4-Dioxane	7.659	88	17370	348.947	ug/l #	89
51) 4-Methyl-2-Pentanone	8.574	43	269803	92.016	ug/l	94
52) Toluene	8.720	92	93909	18.942	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	60457	17.626	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	64490	17.818	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	40703	19.531	ug/l	98
56) Ethyl methacrylate	9.116	69	62802	18.507	ug/l	91
57) 1,3-Dichloropropane	9.305	76	67201	19.360	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	143510	85.827	ug/l	94
59) 2-Hexanone	9.427	43	205040	94.223	ug/l	92
60) Dibromochloromethane	9.519	129	44144	19.272	ug/l	99
61) 1,2-Dibromoethane	9.610	107	42842	19.836	ug/l	100
64) Tetrachloroethene	9.275	164	36608	21.337	ug/l	99
65) Chlorobenzene	10.080	112	102185	20.154	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	39284	20.046	ug/l	98
67) Ethyl Benzene	10.195	91	181254	19.569	ug/l	99
68) m/p-Xylenes	10.299	106	137853	39.889	ug/l	100
69) o-Xylene	10.640	106	68376	19.822	ug/l	100
70) Styrene	10.653	104	112229	19.719	ug/l	98
71) Bromoform	10.799	173	30245	19.066	ug/l #	100
73) Isopropylbenzene	10.964	105	176327	19.221	ug/l	98
74) N-amyl acetate	10.842	43	73482	17.177	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	59418	19.176	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	51170m	19.625	ug/l	
77) Bromobenzene	11.195	156	41867	20.040	ug/l	95
78) n-propylbenzene	11.305	91	197153	18.582	ug/l	99
79) 2-Chlorotoluene	11.366	91	123521	19.213	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	145158	18.914	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	18619	16.186	ug/l	90
82) 4-Chlorotoluene	11.451	91	140101	19.126	ug/l	98
83) tert-Butylbenzene	11.713	119	139094	18.449	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	146457	19.082	ug/l	97
85) sec-Butylbenzene	11.890	105	167154	17.777	ug/l	99
86) p-Isopropyltoluene	12.006	119	141145	18.243	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	77265	19.968	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	77620	20.213	ug/l	98
89) n-Butylbenzene	12.329	91	118451	17.103	ug/l	99
90) Hexachloroethane	12.536	117	23449	14.950	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	75918	20.331	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	13233	18.379	ug/l	84
93) 1,2,4-Trichlorobenzene	13.585	180	43101	18.735	ug/l	98
94) Hexachlorobutadiene	13.725	225	16509	17.346	ug/l	98
95) Naphthalene	13.774	128	161436	20.137	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	43165	19.037	ug/l	99

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

