

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
 Data File : VX037687.D
 Acq On : 13 Sep 2023 12:03
 Operator : JC/MD
 Sample : VX0913WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/14/2023
 Supervised By : Mahesh Dadoda 09/14/2023

Quant Time: Sep 14 02:17:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	208932	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	346664	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	325297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	158090	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	154324	45.653	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.300%		
35) Dibromofluoromethane	5.385	113	122660	49.919	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.840%		
50) Toluene-d8	8.647	98	456604	49.271	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.540%		
62) 4-Bromofluorobenzene	11.079	95	163602	48.934	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.860%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	41652	18.183	ug/l	96
3) Chloromethane	1.301	50	42551	16.306	ug/l	97
4) Vinyl Chloride	1.374	62	49852	16.982	ug/l	100
5) Bromomethane	1.599	94	39072	15.912	ug/l	99
6) Chloroethane	1.685	64	34587	17.136	ug/l	91
7) Trichlorofluoromethane	1.886	101	86583	17.827	ug/l	99
8) Diethyl Ether	2.136	74	34534	17.916	ug/l	82
9) 1,1,2-Trichlorotrifluo...	2.325	101	42234	19.398	ug/l	99
10) Methyl Iodide	2.453	142	48857	19.002	ug/l	95
11) Tert butyl alcohol	2.959	59	70827	94.467	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	38363	17.847	ug/l	90
13) Acrolein	2.233	56	48849	88.446	ug/l	98
14) Allyl chloride	2.660	41	66493	17.658	ug/l	97
15) Acrylonitrile	3.062	53	143566	92.608	ug/l	99
16) Acetone	2.380	43	128452	93.992	ug/l	92
17) Carbon Disulfide	2.514	76	90404	16.544	ug/l	100
18) Methyl Acetate	2.703	43	107088	18.555	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	156429	18.434	ug/l	99
20) Methylene Chloride	2.788	84	52084	18.919	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	44484	17.987	ug/l	89
22) Diisopropyl ether	3.764	45	150334	18.325	ug/l #	90
23) Vinyl Acetate	3.721	43	561506	93.839	ug/l	98
24) 1,1-Dichloroethane	3.611	63	85276	17.838	ug/l	99
25) 2-Butanone	4.562	43	202299	90.784	ug/l	95
26) 2,2-Dichloropropane	4.477	77	64988	19.543	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	54333	18.016	ug/l	93
28) Bromochloromethane	4.897	49	43404	17.971	ug/l	88
29) Tetrahydrofuran	5.007	42	128358	90.454	ug/l	91
30) Chloroform	5.093	83	93486	18.108	ug/l	98
31) Cyclohexane	5.471	56	70194	18.033	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	78403	18.246	ug/l	98
36) 1,1-Dichloropropene	5.696	75	63170	18.898	ug/l	98
37) Ethyl Acetate	4.721	43	74881	19.578	ug/l	96
38) Carbon Tetrachloride	5.678	117	66281	19.410	ug/l	99
39) Methylcyclohexane	7.379	83	79715	20.153	ug/l	95
40) Benzene	6.038	78	194802	19.223	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	38939	19.328	ug/l #	87
42) 1,2-Dichloroethane	6.086	62	74716	18.864	ug/l	97
43) Isopropyl Acetate	6.342	43	119174	19.531	ug/l	96
44) Trichloroethene	7.129	130	50262	19.852	ug/l	96
45) 1,2-Dichloropropane	7.434	63	52343	19.573	ug/l	99
46) Dibromomethane	7.580	93	38444	19.760	ug/l	95
47) Bromodichloromethane	7.824	83	69377	19.753	ug/l	98
48) Methyl methacrylate	7.696	41	57592	19.525	ug/l #	88
49) 1,4-Dioxane	7.659	88	29999	410.500	ug/l #	89
51) 4-Methyl-2-Pentanone	8.574	43	399771	99.775	ug/l	97
52) Toluene	8.720	92	126477	19.412	ug/l	95
53) t-1,3-Dichloropropene	8.982	75	70189	19.711	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	78554	20.104	ug/l #	89
55) 1,1,2-Trichloroethane	9.153	97	55571	20.255	ug/l	95
56) Ethyl methacrylate	9.116	69	83228	19.827	ug/l	92
57) 1,3-Dichloropropane	9.311	76	89352	19.416	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	202003	99.246	ug/l	100
59) 2-Hexanone	9.433	43	308123	99.626	ug/l	95
60) Dibromochloromethane	9.519	129	53094	19.702	ug/l	98
61) 1,2-Dibromoethane	9.610	107	57709	19.569	ug/l	98
64) Tetrachloroethene	9.275	164	43375	20.580	ug/l	99
65) Chlorobenzene	10.079	112	134885	19.454	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	49147	20.567	ug/l	99
67) Ethyl Benzene	10.195	91	243182	19.709	ug/l	98
68) m/p-Xylenes	10.299	106	187014	39.750	ug/l	98
69) o-Xylene	10.640	106	92148	19.645	ug/l	99
70) Styrene	10.659	104	149857	19.582	ug/l	96
71) Bromoform	10.799	173	36772	19.666	ug/l #	99
73) Isopropylbenzene	10.963	105	241605	20.413	ug/l	99
74) N-amyl acetate	10.842	43	103653	20.083	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	88137	19.899	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	70830m	20.380	ug/l	
77) Bromobenzene	11.201	156	57949	20.660	ug/l	90
78) n-propylbenzene	11.305	91	279494	20.525	ug/l	99
79) 2-Chlorotoluene	11.366	91	167947	20.036	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	205082	20.617	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	22240	19.451	ug/l	94
82) 4-Chlorotoluene	11.457	91	188229	19.658	ug/l	97
83) tert-Butylbenzene	11.713	119	197594	19.773	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	204370	20.378	ug/l	98
85) sec-Butylbenzene	11.890	105	252471	20.464	ug/l	100
86) p-Isopropyltoluene	12.012	119	210215	20.794	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	105892	19.662	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	106546	19.249	ug/l	98
89) n-Butylbenzene	12.329	91	179876	19.645	ug/l	97
90) Hexachloroethane	12.536	117	33871	19.855	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	106124	19.695	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	17692	19.453	ug/l	86
93) 1,2,4-Trichlorobenzene	13.585	180	63816	19.886	ug/l	96
94) Hexachlorobutadiene	13.725	225	29218	21.796	ug/l	98
95) Naphthalene	13.774	128	228287	19.639	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	64398	19.559	ug/l	98

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

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