

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110923\
 Data File : VX038698.D
 Acq On : 10 Nov 2023 02:24
 Operator : JC/MD
 Sample : VX1109WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1109WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/10/2023
 Supervised By : Mahesh Dadoda 11/13/2023

Quant Time: Nov 10 05:12:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	316796	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	492237	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	470799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	263571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	189920	48.154	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.300%		
35) Dibromofluoromethane	5.385	113	171568	48.394	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.780%		
50) Toluene-d8	8.647	98	609048	48.008	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.020%		
62) 4-Bromofluorobenzene	11.079	95	238077	48.403	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.800%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	59076	17.957	ug/l	99
3) Chloromethane	1.294	50	46515	16.358	ug/l	97
4) Vinyl Chloride	1.374	62	53565	17.695	ug/l	100
5) Bromomethane	1.605	94	43573	18.649	ug/l	98
6) Chloroethane	1.691	64	33383	17.417	ug/l	99
7) Trichlorofluoromethane	1.892	101	97969	18.772	ug/l	100
8) Diethyl Ether	2.136	74	32138	17.939	ug/l	77
9) 1,1,2-Trichlorotrifluo...	2.331	101	56280	18.238	ug/l	89
10) Methyl Iodide	2.453	142	76949	20.191	ug/l	92
11) Tert butyl alcohol	2.953	59	62216	77.166	ug/l	# 92
12) 1,1-Dichloroethene	2.319	96	53818	18.203	ug/l	82
13) Acrolein	2.233	56	45773	74.905	ug/l	100
14) Allyl chloride	2.666	41	71489	16.882	ug/l	# 93
15) Acrylonitrile	3.062	53	157896	92.796	ug/l	99
16) Acetone	2.373	43	132648	79.860	ug/l	91
17) Carbon Disulfide	2.514	76	133216	16.958	ug/l	98
18) Methyl Acetate	2.703	43	140059	19.792	ug/l	# 87
19) Methyl tert-butyl Ether	3.111	73	174744	18.483	ug/l	96
20) Methylene Chloride	2.794	84	60255	17.995	ug/l	# 77
21) trans-1,2-Dichloroethene	3.093	96	59298	18.423	ug/l	83
22) Diisopropyl ether	3.757	45	146122	18.308	ug/l	# 94
23) Vinyl Acetate	3.721	43	465862	82.237	ug/l	# 92
24) 1,1-Dichloroethane	3.611	63	94318	17.862	ug/l	96
25) 2-Butanone	4.556	43	210757	87.590	ug/l	# 87
26) 2,2-Dichloropropane	4.477	77	62162	13.483	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	68787	18.507	ug/l	82
28) Bromochloromethane	4.897	49	50640	21.340	ug/l	# 57
29) Tetrahydrofuran	5.001	42	136357	91.083	ug/l	# 82
30) Chloroform	5.093	83	112667	18.185	ug/l	95
31) Cyclohexane	5.470	56	76666	17.564	ug/l	86
32) 1,1,1-Trichloroethane	5.385	97	97754	17.929	ug/l	95
36) 1,1-Dichloropropene	5.696	75	77361	17.567	ug/l	93
37) Ethyl Acetate	4.715	43	77204	17.171	ug/l	# 93
38) Carbon Tetrachloride	5.678	117	88706	18.018	ug/l	97
39) Methylcyclohexane	7.379	83	92823	16.858	ug/l	89
40) Benzene	6.037	78	226815	17.881	ug/l	98

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41) Methacrylonitrile	4.916	41	39841	17.393	ug/l #	83
42) 1,2-Dichloroethane	6.086	62	84360	18.432	ug/l	94
43) Isopropyl Acetate	6.342	43	117988	17.069	ug/l #	90
44) Trichloroethene	7.129	130	71036	17.999	ug/l	90
45) 1,2-Dichloropropane	7.434	63	55341	18.048	ug/l	95
46) Dibromomethane	7.580	93	45702	17.822	ug/l #	85
47) Bromodichloromethane	7.824	83	83682	17.352	ug/l	95
48) Methyl methacrylate	7.696	41	59181	17.765	ug/l #	84
49) 1,4-Dioxane	7.659	88	24269	320.013	ug/l #	87
51) 4-Methyl-2-Pentanone	8.574	43	406618	90.284	ug/l	91
52) Toluene	8.720	92	150876	18.158	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	80496	16.395	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	88391	17.053	ug/l #	86
55) 1,1,2-Trichloroethane	9.153	97	65712	18.638	ug/l	96
56) Ethyl methacrylate	9.116	69	88991	18.041	ug/l #	85
57) 1,3-Dichloropropane	9.311	76	101094	18.410	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	245839	101.365	ug/l	90
59) 2-Hexanone	9.427	43	318815	87.487	ug/l	90
60) Dibromochloromethane	9.519	129	69424	17.541	ug/l	99
61) 1,2-Dibromoethane	9.610	107	72126	18.203	ug/l	99
64) Tetrachloroethene	9.275	164	66889	18.981	ug/l	95
65) Chlorobenzene	10.079	112	175226	18.283	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	65653	18.223	ug/l	98
67) Ethyl Benzene	10.195	91	292596	18.049	ug/l	97
68) m/p-Xylenes	10.299	106	233373	36.271	ug/l	95
69) o-Xylene	10.640	106	113586	18.154	ug/l	94
70) Styrene	10.652	104	185895	18.002	ug/l	96
71) Bromoform	10.799	173	54456	17.125	ug/l #	99
73) Isopropylbenzene	10.963	105	300222	18.567	ug/l	98
74) N-amyl acetate	10.841	43	93722	16.681	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.213	83	100748	18.023	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	93202m	17.855	ug/l	
77) Bromobenzene	11.195	156	80859	18.220	ug/l	81
78) n-propylbenzene	11.305	91	339985	18.068	ug/l	97
79) 2-Chlorotoluene	11.366	91	206483	18.329	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	255381	18.351	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	23852	15.853	ug/l	89
82) 4-Chlorotoluene	11.457	91	240305	18.259	ug/l	93
83) tert-Butylbenzene	11.713	119	253883	18.004	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	254165	18.414	ug/l	96
85) sec-Butylbenzene	11.890	105	315840	17.950	ug/l	97
86) p-Isopropyltoluene	12.006	119	270853	18.070	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	152527	17.977	ug/l	96
88) 1,4-Dichlorobenzene	12.042	146	157164	18.021	ug/l	98
89) n-Butylbenzene	12.335	91	227426	17.050	ug/l	96
90) Hexachloroethane	12.536	117	42725	16.828	ug/l	77
91) 1,2-Dichlorobenzene	12.335	146	148281	17.895	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	23980	17.068	ug/l	65
93) 1,2,4-Trichlorobenzene	13.585	180	105538	17.807	ug/l	96
94) Hexachlorobutadiene	13.725	225	44633	17.453	ug/l	99
95) Naphthalene	13.774	128	329972	18.458	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	105238	18.015	ug/l	97

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

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