

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111823\
 Data File : VX038922.D
 Acq On : 18 Nov 2023 12:49
 Operator : JC/MD
 Sample : VX1118WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1118WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/20/2023
 Supervised By : Mahesh Dadoda 11/20/2023

Quant Time: Nov 20 04:32:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	128824	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	231740	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	216117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	110154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	102067	49.170	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.340%		
35) Dibromofluoromethane	5.385	113	81018	48.407	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.820%		
50) Toluene-d8	8.647	98	304218	47.507	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.020%		
62) 4-Bromofluorobenzene	11.079	95	117853	45.975	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.960%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	29265	19.469	ug/l	99
3) Chloromethane	1.301	50	31516	16.064	ug/l	98
4) Vinyl Chloride	1.374	62	32802	17.357	ug/l	96
5) Bromomethane	1.605	94	21722	27.800	ug/l	98
6) Chloroethane	1.685	64	20462	18.973	ug/l	96
7) Trichlorofluoromethane	1.886	101	45859	19.123	ug/l	98
8) Diethyl Ether	2.136	74	19522	18.690	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.325	101	28113	17.677	ug/l	97
10) Methyl Iodide	2.453	142	32959	17.027	ug/l	91
11) Tert butyl alcohol	2.953	59	62169	107.681	ug/l #	91
12) 1,1-Dichloroethene	2.319	96	28170	17.544	ug/l	87
13) Acrolein	2.233	56	32820	107.447	ug/l	100
14) Allyl chloride	2.666	41	55954	17.406	ug/l	94
15) Acrylonitrile	3.063	53	116511	95.506	ug/l	99
16) Acetone	2.374	43	116164	105.123	ug/l	92
17) Carbon Disulfide	2.508	76	74588	14.997	ug/l	99
18) Methyl Acetate	2.703	43	103921	19.799	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	106421	18.844	ug/l	98
20) Methylene Chloride	2.788	84	35611	17.877	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	30092	16.985	ug/l	92
22) Diisopropyl ether	3.758	45	108151	18.339	ug/l	99
23) Vinyl Acetate	3.721	43	399483	94.054	ug/l	97
24) 1,1-Dichloroethane	3.611	63	58890	17.857	ug/l	97
25) 2-Butanone	4.556	43	175705	98.052	ug/l	94
26) 2,2-Dichloropropane	4.477	77	49211	17.203	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	35918	17.393	ug/l	96
28) Bromochloromethane	4.898	49	31942	20.173	ug/l	98
29) Tetrahydrofuran	5.001	42	113624	99.864	ug/l	98
30) Chloroform	5.093	83	58915	18.295	ug/l	96
31) Cyclohexane	5.471	56	50430	17.016	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	50482	18.098	ug/l	99
36) 1,1-Dichloropropene	5.690	75	43250	18.030	ug/l	98
37) Ethyl Acetate	4.715	43	61634	19.721	ug/l	98
38) Carbon Tetrachloride	5.678	117	42778	19.295	ug/l	90
39) Methylcyclohexane	7.379	83	52714	16.847	ug/l	96
40) Benzene	6.038	78	128010	18.043	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	31914	19.689	ug/l	91
42) 1,2-Dichloroethane	6.086	62	47367	20.151	ug/l	97
43) Isopropyl Acetate	6.342	43	98600	19.741	ug/l	98
44) Trichloroethene	7.123	130	32217	18.655	ug/l	99
45) 1,2-Dichloropropane	7.428	63	35010	18.337	ug/l	99
46) Dibromomethane	7.580	93	24440	19.195	ug/l	99
47) Bromodichloromethane	7.818	83	47167	18.664	ug/l	99
48) Methyl methacrylate	7.690	41	46063	19.008	ug/l	93
49) 1,4-Dioxane	7.659	88	21049	448.976	ug/l #	94
51) 4-Methyl-2-Pentanone	8.574	43	324374	101.627	ug/l	99
52) Toluene	8.720	92	80244	18.226	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	54978	18.307	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	56978	18.368	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	34823	18.956	ug/l	96
56) Ethyl methacrylate	9.116	69	59092	19.011	ug/l	97
57) 1,3-Dichloropropane	9.305	76	58757	19.339	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	147119	101.605	ug/l	96
59) 2-Hexanone	9.427	43	263327	102.929	ug/l	98
60) Dibromochloromethane	9.519	129	35322	18.910	ug/l	98
61) 1,2-Dibromoethane	9.610	107	36408	18.887	ug/l	99
64) Tetrachloroethene	9.275	164	25112	18.694	ug/l	97
65) Chlorobenzene	10.080	112	85772	18.424	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	30773	18.376	ug/l	96
67) Ethyl Benzene	10.195	91	158354	18.514	ug/l	99
68) m/p-Xylenes	10.299	106	118391	36.592	ug/l	97
69) o-Xylene	10.640	106	59009	18.432	ug/l	99
70) Styrene	10.653	104	97702	18.070	ug/l	98
71) Bromoform	10.799	173	26241	18.797	ug/l #	99
73) Isopropylbenzene	10.964	105	154105	17.956	ug/l	100
74) N-amyl acetate	10.842	43	81081	17.871	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.214	83	60915	18.182	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	50747m	18.465	ug/l	
77) Bromobenzene	11.201	156	34802	18.046	ug/l	99
78) n-propylbenzene	11.305	91	187727	17.770	ug/l	99
79) 2-Chlorotoluene	11.366	91	110390	17.608	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	132451	18.354	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	21103	17.032	ug/l	85
82) 4-Chlorotoluene	11.457	91	129585	17.926	ug/l	99
83) tert-Butylbenzene	11.713	119	126001	17.729	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	131831	18.049	ug/l	99
85) sec-Butylbenzene	11.890	105	168104	18.083	ug/l	99
86) p-Isopropyltoluene	12.006	119	133412	17.877	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	68715	18.196	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	68559	17.738	ug/l	98
89) n-Butylbenzene	12.335	91	130832	17.376	ug/l	96
90) Hexachloroethane	12.536	117	26230	17.601	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	65886	18.395	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	15667	19.087	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	43062	17.941	ug/l	96
94) Hexachlorobutadiene	13.725	225	14629	17.211	ug/l	98
95) Naphthalene	13.774	128	162288	18.154	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	41661	18.310	ug/l	100

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

