

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100523\
 Data File : VX038100.D
 Acq On : 05 Oct 2023 14:56
 Operator : JC/MD
 Sample : VX1005WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1005WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/05/2023
 Supervised By : Mahesh Dadoda 10/06/2023

Quant Time: Oct 05 15:35:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	139270	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	234414	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	227653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	126218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	103181	46.062	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.120%		
35) Dibromofluoromethane	5.385	113	80162	47.458	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.920%		
50) Toluene-d8	8.646	98	313003	48.494	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.980%		
62) 4-Bromofluorobenzene	11.079	95	119495	48.834	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	26044	19.373	ug/l	95
3) Chloromethane	1.306	50	25695	18.753	ug/l	97
4) Vinyl Chloride	1.373	62	30477	20.062	ug/l	95
5) Bromomethane	1.605	94	31363	15.125	ug/l	95
6) Chloroethane	1.684	64	22741	20.640	ug/l	94
7) Trichlorofluoromethane	1.885	101	60058	20.015	ug/l	98
8) Diethyl Ether	2.129	74	22477	20.085	ug/l	81
9) 1,1,2-Trichlorotrifluo...	2.324	101	24277	18.533	ug/l	97
10) Methyl Iodide	2.452	142	34590	18.352	ug/l	95
11) Tert butyl alcohol	2.952	59	46785	87.400	ug/l #	94
12) 1,1-Dichloroethene	2.318	96	23829	18.701	ug/l	86
13) Acrolein	2.233	56	29314	92.052	ug/l	99
14) Allyl chloride	2.666	41	40910	17.950	ug/l	96
15) Acrylonitrile	3.062	53	94238	92.444	ug/l	100
16) Acetone	2.379	43	83244	89.041	ug/l	91
17) Carbon Disulfide	2.513	76	62578	17.040	ug/l	99
18) Methyl Acetate	2.702	43	73414	18.312	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	91331	17.997	ug/l	98
20) Methylene Chloride	2.788	84	30977	17.615	ug/l	94
21) trans-1,2-Dichloroethene	3.092	96	28878	18.304	ug/l	93
22) Diisopropyl ether	3.757	45	88496	18.527	ug/l	98
23) Vinyl Acetate	3.720	43	324965	92.769	ug/l	96
24) 1,1-Dichloroethane	3.605	63	53507	18.458	ug/l	99
25) 2-Butanone	4.550	43	138648	91.916	ug/l	95
26) 2,2-Dichloropropane	4.476	77	40213	17.768	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	34628	18.430	ug/l	94
28) Bromochloromethane	4.897	49	26155	19.987	ug/l	91
29) Tetrahydrofuran	5.001	42	89387	91.018	ug/l	90
30) Chloroform	5.092	83	58743	18.531	ug/l	99
31) Cyclohexane	5.470	56	46589	19.196	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	50001	18.415	ug/l	100
36) 1,1-Dichloropropene	5.696	75	43594	18.716	ug/l	99
37) Ethyl Acetate	4.714	43	52700	19.051	ug/l	98
38) Carbon Tetrachloride	5.677	117	41578	18.145	ug/l	99
39) Methylcyclohexane	7.384	83	52779	19.345	ug/l	90
40) Benzene	6.037	78	124778	19.153	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	25421	18.473	ug/l #	90
42) 1,2-Dichloroethane	6.086	62	49021	18.833	ug/l	99
43) Isopropyl Acetate	6.342	43	76688	18.570	ug/l	97
44) Trichloroethene	7.122	130	32904	19.311	ug/l	98
45) 1,2-Dichloropropane	7.433	63	31901	18.920	ug/l	95
46) Dibromomethane	7.586	93	24420	18.673	ug/l	99
47) Bromodichloromethane	7.823	83	42909	18.444	ug/l	92
48) Methyl methacrylate	7.695	41	36945	18.740	ug/l #	85
49) 1,4-Dioxane	7.659	88	18926	389.585	ug/l #	90
51) 4-Methyl-2-Pentanone	8.573	43	273461	96.004	ug/l	97
52) Toluene	8.720	92	82415	19.420	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	45150	18.080	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	48296	18.408	ug/l	95
55) 1,1,2-Trichloroethane	9.152	97	33943	18.699	ug/l	99
56) Ethyl methacrylate	9.116	69	51028	18.335	ug/l	93
57) 1,3-Dichloropropane	9.305	76	55084	18.763	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	131000	95.894	ug/l	99
59) 2-Hexanone	9.433	43	223453	97.581	ug/l	97
60) Dibromochloromethane	9.518	129	32802	18.464	ug/l	99
61) 1,2-Dibromoethane	9.610	107	36523	18.606	ug/l	100
64) Tetrachloroethene	9.274	164	27362	18.566	ug/l	99
65) Chlorobenzene	10.079	112	90845	19.070	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.164	131	30436	18.894	ug/l	98
67) Ethyl Benzene	10.195	91	163743	19.257	ug/l	99
68) m/p-Xylenes	10.299	106	126208	38.386	ug/l	100
69) o-Xylene	10.640	106	60443	18.836	ug/l	99
70) Styrene	10.658	104	101703	19.461	ug/l	97
71) Bromoform	10.798	173	23318	17.573	ug/l #	100
73) Isopropylbenzene	10.963	105	161148	19.038	ug/l	99
74) N-amyl acetate	10.841	43	69751	19.297	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	59716	19.226	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	48228m	16.808	ug/l	
77) Bromobenzene	11.201	156	38842	18.796	ug/l	93
78) n-propylbenzene	11.304	91	201765	19.494	ug/l	98
79) 2-Chlorotoluene	11.365	91	115385	18.798	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	141224	19.339	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	14682	17.769	ug/l	98
82) 4-Chlorotoluene	11.457	91	138234	19.032	ug/l	99
83) tert-Butylbenzene	11.713	119	135848	19.038	ug/l	99
84) 1,2,4-Trimethylbenzene	11.749	105	142990	19.638	ug/l	100
85) sec-Butylbenzene	11.890	105	181347	19.619	ug/l	99
86) p-Isopropyltoluene	12.012	119	148248	19.439	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	77410	18.650	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	80137	18.911	ug/l	98
89) n-Butylbenzene	12.335	91	147786	19.458	ug/l	95
90) Hexachloroethane	12.536	117	23130	18.292	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	74470	18.665	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.944	75	14169	18.868	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	49762	18.595	ug/l	98
94) Hexachlorobutadiene	13.725	225	20129	18.689	ug/l	99
95) Naphthalene	13.774	128	173312	18.597	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	49578	19.134	ug/l	98

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

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