

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031023\
 Data File : VX034411.D
 Acq On : 10 Mar 2023 10:50
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Mar 11 03:03:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 11 03:01:21 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/13/2023
 Supervised By : Mahesh Dadoda 03/13/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	263856	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	491702	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	440655	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	205598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	19462	5.070	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	10.140%#		
35) Dibromofluoromethane	5.385	113	14797	4.558	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	9.120%#		
50) Toluene-d8	8.647	98	53970	4.453	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	8.900%#		
62) 4-Bromofluorobenzene	11.079	95	19651	4.014	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	8.020%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	9099	3.846	ug/l	99
3) Chloromethane	1.300	50	26405m	6.526	ug/l	
4) Vinyl Chloride	1.374	62	16613	5.026	ug/l	89
5) Bromomethane	1.599	94	7920	4.584	ug/l	96
6) Chloroethane	1.678	64	12407m	6.387	ug/l	
7) Trichlorofluoromethane	1.880	101	22328	4.474	ug/l	90
8) Diethyl Ether	2.130	74	11102	6.107	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	11630	3.954	ug/l	97
10) Methyl Iodide	2.447	142	16650	4.324	ug/l	98
11) Tert butyl alcohol	2.959	59	25794	32.269	ug/l	98
12) 1,1-Dichloroethene	2.319	96	13403	4.653	ug/l	99
13) Acrolein	2.233	56	16599	24.343	ug/l	98
14) Allyl chloride	2.660	41	30778	5.265	ug/l	95
15) Acrylonitrile	3.062	53	50012	28.422	ug/l	99
16) Acetone	2.379	43	48145	26.930	ug/l	97
17) Carbon Disulfide	2.507	76	36290	4.169	ug/l	99
18) Methyl Acetate	2.703	43	34977	5.781	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	57251	5.460	ug/l	97
20) Methylene Chloride	2.788	84	19475	5.429	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	15318	4.751	ug/l	98
22) Diisopropyl ether	3.763	45	62305	5.557	ug/l	97
23) Vinyl Acetate	3.721	43	237747	28.001	ug/l	99
24) 1,1-Dichloroethane	3.611	63	31000	5.164	ug/l	99
25) 2-Butanone	4.562	43	72134	27.444	ug/l	100
26) 2,2-Dichloropropane	4.477	77	24509	4.694	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	19714	5.198	ug/l	99
28) Bromochloromethane	4.891	49	15808	5.579	ug/l #	15
29) Tetrahydrofuran	5.013	42	45490	28.018	ug/l	99
30) Chloroform	5.092	83	31381	5.198	ug/l	99
31) Cyclohexane	5.464	56	21249	3.947	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	23986	4.622	ug/l	98
36) 1,1-Dichloropropene	5.696	75	19903	4.013	ug/l	96
37) Ethyl Acetate	4.721	43	25098	4.540	ug/l #	94
38) Carbon Tetrachloride	5.672	117	19174	3.914	ug/l	97
39) Methylcyclohexane	7.379	83	19530	3.308	ug/l	99
40) Benzene	6.037	78	70838	4.878	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	13834	4.639	ug/l	93
42) 1,2-Dichloroethane	6.086	62	26241	4.883	ug/l	99
43) Isopropyl Acetate	6.342	43	46678	5.037	ug/l	100
44) Trichloroethene	7.129	130	16825	4.481	ug/l	98
45) 1,2-Dichloropropane	7.433	63	18738	4.926	ug/l	98
46) Dibromomethane	7.586	93	12628	4.839	ug/l	97
47) Bromodichloromethane	7.824	83	23003	4.559	ug/l	100
48) Methyl methacrylate	7.696	41	20832	4.678	ug/l	97
49) 1,4-Dioxane	7.659	88	9955	106.726	ug/l	96
51) 4-Methyl-2-Pentanone	8.573	43	139631	25.937	ug/l	99
52) Toluene	8.714	92	42905	4.740	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	24963	4.412	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	27395	4.486	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	17752	4.887	ug/l	95
56) Ethyl methacrylate	9.116	69	28113	4.799	ug/l	96
57) 1,3-Dichloropropane	9.311	76	31469	4.962	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	74076	24.865	ug/l	99
59) 2-Hexanone	9.433	43	103915	25.255	ug/l	100
60) Dibromochloromethane	9.518	129	17199	4.542	ug/l	97
61) 1,2-Dibromoethane	9.610	107	18626	4.788	ug/l	98
64) Tetrachloroethene	9.275	164	12376	4.080	ug/l	95
65) Chlorobenzene	10.079	112	46232	4.769	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	16356	4.672	ug/l	98
67) Ethyl Benzene	10.195	91	77228	4.496	ug/l	96
68) m/p-Xylenes	10.299	106	60698	9.133	ug/l	95
69) o-Xylene	10.640	106	30425	4.669	ug/l	100
70) Styrene	10.652	104	48424	4.492	ug/l	98
71) Bromoform	10.799	173	11473	4.268	ug/l #	99
73) Isopropylbenzene	10.963	105	71389	4.532	ug/l	100
74) N-amyl acetate	10.841	43	38092	5.026	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	28124	5.303	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	25858m	5.160	ug/l	
77) Bromobenzene	11.201	156	19562	5.064	ug/l	93
78) n-propylbenzene	11.305	91	80660	4.337	ug/l	100
79) 2-Chlorotoluene	11.366	91	53783	4.680	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	60756	4.531	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	7320	4.195	ug/l	93
82) 4-Chlorotoluene	11.457	91	60996	4.606	ug/l	100
83) tert-Butylbenzene	11.713	119	58555	4.393	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	61742	4.556	ug/l	99
85) sec-Butylbenzene	11.890	105	64816	3.994	ug/l	100
86) p-Isopropyltoluene	12.012	119	56774	4.150	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	34376	4.564	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	36183	4.707	ug/l	94
89) n-Butylbenzene	12.335	91	44336	3.615	ug/l	99
90) Hexachloroethane	12.536	117	9773	3.893	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	35888	4.916	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	5573	4.688	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	19129	4.091	ug/l	97
94) Hexachlorobutadiene	13.725	225	6448	3.488	ug/l	99
95) Naphthalene	13.774	128	72533	4.749	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	19738	4.355	ug/l	94

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

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