

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090722\
 Data File : VX031152.D
 Acq On : 07 Sep 2022 11:51
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/08/2022
 Supervised By : Mahesh Dadoda 09/08/2022

Quant Time: Sep 07 22:58:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 07 22:57:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	59569	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	97887	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	104899	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60782	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	6956	4.932	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	9.860%	#	
35) Dibromofluoromethane	5.391	113	5114	4.794	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	9.580%	#	
50) Toluene-d8	8.653	98	19368	4.997	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.000%	#	
62) 4-Bromofluorobenzene	11.079	95	6396	4.503	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	9.000%	#	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	5003	5.226	ug/l	95
3) Chloromethane	1.288	50	4034	5.484	ug/l	96
4) Vinyl Chloride	1.374	62	4630	5.332	ug/l	99
5) Bromomethane	1.611	94	3155	5.686	ug/l	91
6) Chloroethane	1.685	64	2826	5.801	ug/l	97
7) Trichlorofluoromethane	1.886	101	9893	5.228	ug/l	97
8) Diethyl Ether	2.136	74	2874	5.347	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.325	101	5456	5.099	ug/l	94
10) Methyl Iodide	2.453	142	6450	4.875	ug/l	# 89
11) Tert butyl alcohol	3.014	59	9914m	32.295	ug/l	
12) 1,1-Dichloroethene	2.319	96	5255	5.225	ug/l	96
13) Acrolein	2.239	56	5629	28.739	ug/l	99
14) Allyl chloride	2.666	41	6920	5.122	ug/l	# 80
15) Acrylonitrile	3.068	53	13789	25.677	ug/l	95
16) Acetone	2.392	43	13088	26.802	ug/l	92
17) Carbon Disulfide	2.508	76	12477	5.046	ug/l	96
18) Methyl Acetate	2.709	43	6297	4.981	ug/l	# 90
19) Methyl tert-butyl Ether	3.117	73	18738	5.245	ug/l	91
20) Methylene Chloride	2.788	84	5938	5.174	ug/l	87
21) trans-1,2-Dichloroethene	3.093	96	5482	4.919	ug/l	90
22) Diisopropyl ether	3.757	45	15198	5.357	ug/l	# 89
23) Vinyl Acetate	3.727	43	61913	25.999	ug/l	# 93
24) 1,1-Dichloroethane	3.605	63	9915	5.269	ug/l	96
25) 2-Butanone	4.568	43	19063	26.355	ug/l	94
26) 2,2-Dichloropropane	4.477	77	8809	5.231	ug/l	90
27) cis-1,2-Dichloroethene	4.489	96	6695	5.233	ug/l	98
28) Bromochloromethane	4.897	49	3681	5.395	ug/l	# 78
29) Tetrahydrofuran	5.019	42	11293	26.444	ug/l	# 80
30) Chloroform	5.099	83	11965	5.853	ug/l	90
31) Cyclohexane	5.471	56	8739	5.545	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	10422	5.195	ug/l	97
36) 1,1-Dichloropropene	5.696	75	8161	5.109	ug/l	94
37) Ethyl Acetate	4.721	43	7253	5.118	ug/l	# 94
38) Carbon Tetrachloride	5.684	117	8232	5.220	ug/l	# 89
39) Methylcyclohexane	7.385	83	9252	5.071	ug/l	95
40) Benzene	6.037	78	23114	5.326	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	3841	5.516	ug/l #	85
42) 1,2-Dichloroethane	6.092	62	9438	5.312	ug/l	93
43) Isopropyl Acetate	6.348	43	11614	5.198	ug/l	97
44) Trichloroethene	7.129	130	6152	5.043	ug/l	81
45) 1,2-Dichloropropane	7.434	63	5404	5.067	ug/l	93
46) Dibromomethane	7.580	93	4348	5.141	ug/l	98
47) Bromodichloromethane	7.824	83	8461	5.143	ug/l	92
48) Methyl methacrylate	7.696	41	5262	4.836	ug/l	85
49) 1,4-Dioxane	7.708	88	3088	102.809	ug/l #	72
51) 4-Methyl-2-Pentanone	8.574	43	36411	26.612	ug/l	96
52) Toluene	8.720	92	14455	5.050	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	8480	4.948	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	9252	5.029	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	5855	4.975	ug/l	96
56) Ethyl methacrylate	9.116	69	9045	5.217	ug/l	91
57) 1,3-Dichloropropane	9.311	76	10687	5.256	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.244	63	21907	26.811	ug/l	91
59) 2-Hexanone	9.433	43	26516	25.627	ug/l	91
60) Dibromochloromethane	9.525	129	6134	5.056	ug/l	99
61) 1,2-Dibromoethane	9.610	107	6847	5.236	ug/l	99
64) Tetrachloroethene	9.275	164	5796	5.308	ug/l	91
65) Chlorobenzene	10.079	112	16667	5.396	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	6228	5.163	ug/l	94
67) Ethyl Benzene	10.195	91	29012	5.184	ug/l	97
68) m/p-Xylenes	10.299	106	21502	10.364	ug/l	90
69) o-Xylene	10.640	106	10305	4.977	ug/l	81
70) Styrene	10.659	104	16576	4.992	ug/l	93
71) Bromoform	10.799	173	3743	4.657	ug/l #	95
73) Isopropylbenzene	10.963	105	29052	5.504	ug/l	94
74) N-amyl acetate	10.842	43	9001	5.357	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.213	83	9050	5.493	ug/l	96
76) 1,2,3-Trichloropropane	11.238	75	8809m	4.660	ug/l	
77) Bromobenzene	11.195	156	6258	5.455	ug/l	96
78) n-propylbenzene	11.305	91	32541	5.409	ug/l	96
79) 2-Chlorotoluene	11.366	91	19943	5.350	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	24279	5.472	ug/l	91
81) trans-1,4-Dichloro-2-b...	11.018	75	2523	4.905	ug/l #	88
82) 4-Chlorotoluene	11.457	91	22672	5.257	ug/l	93
83) tert-Butylbenzene	11.719	119	23116	5.285	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	22732	5.270	ug/l	98
85) sec-Butylbenzene	11.890	105	29035	5.360	ug/l	97
86) p-Isopropyltoluene	12.012	119	22180	5.068	ug/l	95
87) 1,3-Dichlorobenzene	11.969	146	11299	5.300	ug/l	96
88) 1,4-Dichlorobenzene	12.043	146	11729	5.458	ug/l	94
89) n-Butylbenzene	12.335	91	19179	5.083	ug/l	100
90) Hexachloroethane	12.542	117	3915	5.206	ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	11021	5.271	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2119	4.683	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	6476	5.297	ug/l	95
94) Hexachlorobutadiene	13.725	225	2500	4.815	ug/l	94
95) Naphthalene	13.774	128	25255	5.273	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	6686	5.371	ug/l	97

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

