

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020924\
 Data File : VX040177.D
 Acq On : 09 Feb 2024 16:33
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/12/2024
 Supervised By : Mahesh Dadoda 02/12/2024

Quant Time: Feb 10 05:45:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 10 05:39:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	80139	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	138235	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127911	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	64815	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	7293	6.117	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	12.240%#
35) Dibromofluoromethane	5.391	113	5713	5.918	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	11.840%#
50) Toluene-d8	8.647	98	21088	5.840	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	11.680%#
62) 4-Bromofluorobenzene	11.079	95	7900	5.364	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	10.720%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	4575	5.054	ug/l	97
3) Chloromethane	1.301	50	4755	5.094	ug/l	100
4) Vinyl Chloride	1.374	62	5273	5.345	ug/l	94
5) Bromomethane	1.599	94	3177	5.707	ug/l	98
6) Chloroethane	1.679	64	3008	4.835	ug/l #	80
7) Trichlorofluoromethane	1.886	101	8253	5.210	ug/l	91
8) Diethyl Ether	2.136	74	3132	5.263	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	4493	5.287	ug/l	96
10) Methyl Iodide	2.447	142	4206	4.458	ug/l #	83
11) Tert butyl alcohol	2.971	59	6196	26.681	ug/l #	95
12) 1,1-Dichloroethene	2.313	96	4139	5.059	ug/l	83
13) Acrolein	2.233	56	6084	29.599	ug/l	91
14) Allyl chloride	2.660	41	7254	5.109	ug/l	97
15) Acrylonitrile	3.069	53	13558	26.093	ug/l	100
16) Acetone	2.380	43	12743	26.024	ug/l #	85
17) Carbon Disulfide	2.508	76	10551	4.885	ug/l	96
18) Methyl Acetate	2.703	43	6903	5.259	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	14948	5.186	ug/l	96
20) Methylene Chloride	2.788	84	5007	3.987	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	4612	4.949	ug/l #	81
22) Diisopropyl ether	3.764	45	14444	5.016	ug/l	89
23) Vinyl Acetate	3.727	43	60322	23.499	ug/l	97
24) 1,1-Dichloroethane	3.611	63	8766	5.226	ug/l	94
25) 2-Butanone	4.562	43	19175	25.052	ug/l #	87
26) 2,2-Dichloropropane	4.477	77	6542	5.066	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	5423	5.101	ug/l	92
28) Bromochloromethane	4.898	49	3967	5.570	ug/l #	95
29) Tetrahydrofuran	5.007	42	12449	24.965	ug/l	93
30) Chloroform	5.093	83	8675	4.783	ug/l	87
31) Cyclohexane	5.471	56	7610	5.351	ug/l #	92
32) 1,1,1-Trichloroethane	5.385	97	7068	4.633	ug/l	97
36) 1,1-Dichloropropene	5.696	75	6988	5.167	ug/l	94
37) Ethyl Acetate	4.727	43	7551	5.018	ug/l	98
38) Carbon Tetrachloride	5.684	117	6221	4.838	ug/l	89
39) Methylcyclohexane	7.385	83	8119	5.166	ug/l #	90
40) Benzene	6.044	78	18717	4.949	ug/l	99

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 Quant Title : SW846 8260
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Reviewed By : John Carlone 02/12/2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	3789	4.817	ug/l	92
42) 1,2-Dichloroethane	6.092	62	7158	4.843	ug/l	98
43) Isopropyl Acetate	6.349	43	11021	4.692	ug/l	98
44) Trichloroethene	7.123	130	5326	5.106	ug/l	71
45) 1,2-Dichloropropane	7.434	63	4558	4.631	ug/l	96
46) Dibromomethane	7.586	93	3428	4.729	ug/l	91
47) Bromodichloromethane	7.824	83	6492	4.648	ug/l	100
48) Methyl methacrylate	7.702	41	5839	4.858	ug/l	96
49) 1,4-Dioxane	7.665	88	2576	98.520	ug/l #	89
51) 4-Methyl-2-Pentanone	8.574	43	38393	23.940	ug/l	100
52) Toluene	8.720	92	11937	4.819	ug/l	96
53) t-1,3-Dichloropropene	8.982	75	6129	5.454	ug/l	100
54) cis-1,3-Dichloropropene	8.373	75	7183	4.589	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	5168	4.892	ug/l	96
56) Ethyl methacrylate	9.122	69	7287	4.607	ug/l	96
57) 1,3-Dichloropropane	9.311	76	8553	4.960	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.245	63	19289	25.781	ug/l	98
59) 2-Hexanone	9.433	43	30474	23.967	ug/l	97
60) Dibromochloromethane	9.519	129	4925	4.576	ug/l	100
61) 1,2-Dibromoethane	9.610	107	5503	4.900	ug/l	98
64) Tetrachloroethene	9.275	164	4544	5.069	ug/l	97
65) Chlorobenzene	10.080	112	13391	5.016	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	4552	4.923	ug/l	98
67) Ethyl Benzene	10.195	91	23655	4.975	ug/l	98
68) m/p-Xylenes	10.299	106	18080	10.069	ug/l	98
69) o-Xylene	10.640	106	8655	4.960	ug/l	93
70) Styrene	10.659	104	13799	4.756	ug/l	99
71) Bromoform	10.799	173	3147	5.522	ug/l #	98
73) Isopropylbenzene	10.964	105	23037	5.046	ug/l	99
74) N-amyl acetate	10.842	43	8701	4.447	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.214	83	8002	4.879	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	6367m	4.851	ug/l	
77) Bromobenzene	11.201	156	5372	4.982	ug/l	97
78) n-propylbenzene	11.305	91	27340	4.947	ug/l	99
79) 2-Chlorotoluene	11.366	91	16961	5.082	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	19333	5.030	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.025	75	1446	6.424	ug/l #	82
82) 4-Chlorotoluene	11.457	91	19659	4.972	ug/l	97
83) tert-Butylbenzene	11.713	119	18660	4.952	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	19427	4.996	ug/l	98
85) sec-Butylbenzene	11.890	105	23988	4.954	ug/l	98
86) p-Isopropyltoluene	12.012	119	18827	4.743	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	10796	5.053	ug/l	96
88) 1,4-Dichlorobenzene	12.043	146	11486	5.077	ug/l	95
89) n-Butylbenzene	12.335	91	18527	4.835	ug/l	95
90) Hexachloroethane	12.536	117	2700	4.312	ug/l	85
91) 1,2-Dichlorobenzene	12.335	146	10393	5.025	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	1705	4.504	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	7032	4.966	ug/l	94
94) Hexachlorobutadiene	13.725	225	2902	5.135	ug/l	98
95) Naphthalene	13.780	128	20770	4.645	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	6672	4.944	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

