

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030722\
 Data File : VX027319.D
 Acq On : 07 Mar 2022 12:06
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/08/2022
 Supervised By : Mahesh Dadoda 03/08/2022

Quant Time: Mar 07 14:02:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X030722W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 07 14:02:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	66998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	103820	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	92286	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	44640	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	78 - 117	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	92 - 112	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	83 - 123	Recovery	=	0.000%#
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	687	1.015	ug/l	98
3) Chloromethane	1.300	50	617	1.015	ug/l	100
4) Vinyl Chloride	1.380	62	500	0.831	ug/l #	85
6) Chloroethane	1.691	64	380	1.027	ug/l	100
7) Trichlorofluoromethane	1.892	101	1012	1.058	ug/l	100
8) Diethyl Ether	2.136	74	340	1.047	ug/l	72
9) 1,1,2-Trichlorotrifluo...	2.343	101	594	0.898	ug/l	90
12) 1,1-Dichloroethene	2.325	96	602	0.939	ug/l	89
14) Allyl chloride	2.672	41	956	0.855	ug/l	97
15) Acrylonitrile	3.075	53	1762	4.476	ug/l	95
16) Acetone	2.386	43	2165	6.194	ug/l	99
17) Carbon Disulfide	2.520	76	1814	1.084	ug/l	97
18) Methyl Acetate	2.715	43	773	0.867	ug/l	95
19) Methyl tert-butyl Ether	3.123	73	2012	0.917	ug/l	91
20) Methylene Chloride	2.794	84	854	1.184	ug/l	95
21) trans-1,2-Dichloroethene	3.099	96	697	1.016	ug/l	83
22) Diisopropyl ether	3.776	45	1829	0.843	ug/l #	86
23) Vinyl Acetate	3.733	43	7496	4.078	ug/l #	89
24) 1,1-Dichloroethane	3.617	63	1224	0.986	ug/l #	89
25) 2-Butanone	4.574	43	2480	4.496	ug/l	92
26) 2,2-Dichloropropane	4.477	77	855	0.938	ug/l #	67
27) cis-1,2-Dichloroethene	4.507	96	791	0.998	ug/l	92
28) Bromochloromethane	4.916	49	428	0.855	ug/l #	89
29) Tetrahydrofuran	5.025	42	1632	4.439	ug/l #	81
30) Chloroform	5.099	83	1258	0.969	ug/l	85
32) 1,1,1-Trichloroethane	5.397	97	1086	0.966	ug/l #	44
36) 1,1-Dichloropropene	5.702	75	856	0.921	ug/l	93
37) Ethyl Acetate	4.727	43	886	0.871	ug/l #	69
38) Carbon Tetrachloride	5.678	117	976	0.997	ug/l	97
39) Methylcyclohexane	7.385	83	1100	0.954	ug/l	91
40) Benzene	6.043	78	2662	0.981	ug/l #	88
41) Methacrylonitrile	4.952	41	470	0.842	ug/l #	88
42) 1,2-Dichloroethane	6.092	62	970	0.996	ug/l	87
43) Isopropyl Acetate	6.348	43	1417	0.909	ug/l #	91
44) Trichloroethene	7.135	130	777	0.956	ug/l	91
45) 1,2-Dichloropropane	7.440	63	664	1.004	ug/l	94

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46) Dibromomethane	7.592	93	471	0.983	ug/l	89
47) Bromodichloromethane	7.824	83	879	0.937	ug/l #	75
48) Methyl methacrylate	7.708	41	696	0.919	ug/l	95
49) 1,4-Dioxane	7.677	88	293	16.673	ug/l #	74
51) 4-Methyl-2-Pentanone	8.580	43	4427	4.351	ug/l	94
52) Toluene	8.720	92	1723	0.987	ug/l	96
53) t-1,3-Dichloropropene	8.982	75	721	0.784	ug/l	96
54) cis-1,3-Dichloropropene	8.372	75	880	0.845	ug/l #	87
55) 1,1,2-Trichloroethane	9.159	97	693	1.001	ug/l	91
56) Ethyl methacrylate	9.122	69	891	0.831	ug/l	96
57) 1,3-Dichloropropane	9.311	76	1121	0.977	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.250	63	2162	4.176	ug/l	94
59) 2-Hexanone	9.433	43	3452	4.427	ug/l	99
60) Dibromochloromethane	9.525	129	678	0.934	ug/l	90
61) 1,2-Dibromoethane	9.616	107	695	0.944	ug/l	97
64) Tetrachloroethene	9.275	164	874	1.071	ug/l	87
65) Chlorobenzene	10.079	112	1972	1.058	ug/l #	85
66) 1,1,1,2-Tetrachloroethane	10.171	131	625	0.920	ug/l #	60
67) Ethyl Benzene	10.195	91	3107	0.952	ug/l	98
68) m/p-Xylenes	10.305	106	2467	1.959	ug/l	96
69) o-Xylene	10.646	106	1199	0.951	ug/l	91
70) Styrene	10.659	104	1878	0.912	ug/l	98
71) Bromoform	10.805	173	458	0.883	ug/l #	98
73) Isopropylbenzene	10.963	105	2960	0.941	ug/l	98
74) N-amyl acetate	10.848	43	907	0.760	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.213	83	962	1.029	ug/l	96
76) 1,2,3-Trichloropropane	11.244	75	820m	0.922	ug/l	
77) Bromobenzene	11.201	156	867	1.100	ug/l	79
78) n-propylbenzene	11.305	91	3255	0.911	ug/l	97
79) 2-Chlorotoluene	11.366	91	2274	1.038	ug/l	97
80) 1,3,5-Trimethylbenzene	11.457	105	2707	1.024	ug/l	96
82) 4-Chlorotoluene	11.457	91	2314	0.924	ug/l	91
83) tert-Butylbenzene	11.719	119	2574	0.996	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	2367	0.887	ug/l	92
85) sec-Butylbenzene	11.890	105	3006	0.932	ug/l	97
86) p-Isopropyltoluene	12.012	119	2626	0.951	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	1557	1.052	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	1671m	1.100	ug/l	
89) n-Butylbenzene	12.335	91	2184	0.954	ug/l	96
90) Hexachloroethane	12.542	117	377	0.881	ug/l	74
91) 1,2-Dichlorobenzene	12.335	146	1594	1.104	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	187	0.860	ug/l	89
93) 1,2,4-Trichlorobenzene	13.591	180	942	1.030	ug/l	98
94) Hexachlorobutadiene	13.725	225	423	1.118	ug/l	97
95) Naphthalene	13.780	128	3010	0.972	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	872	0.951	ug/l	91

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

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