

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091321\
 Data File : VX024178.D
 Acq On : 13 Sep 2021 10:20
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/14/2021 10:47:15 AM

Quant Time: Sep 13 12:05:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091321W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 13 12:04:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	223545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	349214	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	319399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	147702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	17429	5.727	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	11.460%#
35) Dibromofluoromethane	5.397	113	12994	5.752	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	11.500%#
50) Toluene-d8	8.653	98	44227	5.177	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	10.360%#
62) 4-Bromofluorobenzene	11.085	95	15837	5.008	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	10.020%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	10869	4.844	ug/l	98
3) Chloromethane	1.294	50	11742	4.811	ug/l	96
4) Vinyl Chloride	1.374	62	10806	4.529	ug/l	99
5) Bromomethane	1.599	94	7223	4.892	ug/l	94
6) Chloroethane	1.679	64	7073	4.335	ug/l	96
7) Trichlorofluoromethane	1.880	101	18477	4.841	ug/l	99
8) Diethyl Ether	2.136	74	6308	4.744	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.325	101	11053	5.120	ug/l	96
10) Methyl Iodide	2.453	142	12257	4.121	ug/l	90
11) Tert butyl alcohol	2.983	59	23235	37.028	ug/l #	94
12) 1,1-Dichloroethene	2.319	96	10554	5.111	ug/l	93
13) Acrolein	2.245	56	6690	19.308	ug/l	95
14) Allyl chloride	2.666	41	18017	4.738	ug/l	90
15) Acrylonitrile	3.075	53	32954	24.285	ug/l	98
16) Acetone	2.392	43	34850	25.637	ug/l	91
17) Carbon Disulfide	2.508	76	24424	5.019	ug/l	99
18) Methyl Acetate	2.715	43	16464	4.784	ug/l #	89
19) Methyl tert-butyl Ether	3.123	73	37385	5.140	ug/l	100
20) Methylene Chloride	2.794	84	13298	5.174	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	11252	5.095	ug/l	89
22) Diisopropyl ether	3.770	45	36523	4.831	ug/l #	92
23) Vinyl Acetate	3.733	43	143532	23.556	ug/l	96
24) 1,1-Dichloroethane	3.611	63	20900	4.937	ug/l	97
25) 2-Butanone	4.574	43	48032	23.609	ug/l	95
26) 2,2-Dichloropropane	4.483	77	18825	5.335	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	13143	5.004	ug/l	95
28) Bromochloromethane	4.904	49	9180	4.844	ug/l	99
29) Tetrahydrofuran	5.019	42	31003	23.556	ug/l	89
30) Chloroform	5.099	83	22355	4.960	ug/l	92
31) Cyclohexane	5.477	56	17962	4.738	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	20223	5.220	ug/l	99
36) 1,1-Dichloropropene	5.696	75	15859	5.093	ug/l	99
37) Ethyl Acetate	4.727	43	18345	4.770	ug/l	95
38) Carbon Tetrachloride	5.684	117	17421	5.286	ug/l	97
39) Methylcyclohexane	7.385	83	18642	4.947	ug/l	97
40) Benzene	6.044	78	45778	4.967	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	9766	4.699	ug/l	91
42) 1,2-Dichloroethane	6.098	62	19378	5.292	ug/l	93
43) Isopropyl Acetate	6.348	43	29473	4.899	ug/l #	92
44) Trichloroethene	7.135	130	12757	4.995	ug/l	83
45) 1,2-Dichloropropane	7.434	63	11674	4.775	ug/l	99
46) Dibromomethane	7.586	93	8550	4.977	ug/l	98
47) Bromodichloromethane	7.830	83	15577	4.993	ug/l #	93
48) Methyl methacrylate	7.696	41	13641	4.665	ug/l	85
49) 1,4-Dioxane	7.665	88	6328	100.543	ug/l #	93
51) 4-Methyl-2-Pentanone	8.580	43	93902	24.257	ug/l	90
52) Toluene	8.720	92	28924	4.848	ug/l	96
53) t-1,3-Dichloropropene	8.982	75	17521	4.942	ug/l	100
54) cis-1,3-Dichloropropene	8.372	75	18380	4.885	ug/l #	90
55) 1,1,2-Trichloroethane	9.159	97	12543	5.059	ug/l	98
56) Ethyl methacrylate	9.122	69	17972	4.669	ug/l #	83
57) 1,3-Dichloropropane	9.311	76	20261	4.957	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	44488	22.009	ug/l	98
59) 2-Hexanone	9.433	43	75030	25.132	ug/l	86
60) Dibromochloromethane	9.525	129	11419	4.755	ug/l	99
61) 1,2-Dibromoethane	9.610	107	12354	4.738	ug/l	95
64) Tetrachloroethene	9.275	164	12658	5.123	ug/l	93
65) Chlorobenzene	10.079	112	32123	4.987	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.165	131	11894	5.151	ug/l	97
67) Ethyl Benzene	10.195	91	56766	5.051	ug/l	100
68) m/p-Xylenes	10.305	106	42970	10.039	ug/l	97
69) o-Xylene	10.646	106	21519	5.103	ug/l	100
70) Styrene	10.659	104	33312	4.847	ug/l	95
71) Bromoform	10.805	173	7921	4.791	ug/l #	99
73) Isopropylbenzene	10.963	105	54245	5.003	ug/l	99
74) N-amyl acetate	10.848	43	23839	4.871	ug/l	90
75) 1,1,2,2-Tetrachloroethane	11.213	83	18293	5.090	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	17574m	5.247	ug/l	
77) Bromobenzene	11.201	156	14525	5.401	ug/l	95
78) n-propylbenzene	11.305	91	59938	4.848	ug/l	97
79) 2-Chlorotoluene	11.366	91	38361	5.107	ug/l	99
80) 1,3,5-Trimethylbenzene	11.457	105	44989	5.044	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.024	75	4914	4.339	ug/l #	81
82) 4-Chlorotoluene	11.457	91	44019	5.172	ug/l	100
83) tert-Butylbenzene	11.719	119	45074	5.185	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	46074	5.165	ug/l	98
85) sec-Butylbenzene	11.896	105	54530	4.993	ug/l	100
86) p-Isopropyltoluene	12.012	119	45491	5.052	ug/l	97
87) 1,3-Dichlorobenzene	11.975	146	24287	4.986	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	24570	5.069	ug/l	92
89) n-Butylbenzene	12.335	91	37396	4.681	ug/l	99
90) Hexachloroethane	12.542	117	6694	4.806	ug/l	96
91) 1,2-Dichlorobenzene	12.341	146	24058	5.086	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	3661	4.920	ug/l	89
93) 1,2,4-Trichlorobenzene	13.591	180	12409	4.384	ug/l	98
94) Hexachlorobutadiene	13.725	225	6877	5.376	ug/l	98
95) Naphthalene	13.780	128	40630	4.397	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	12839	4.554	ug/l	98

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

