

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041222\
 Data File : VX028046.D
 Acq On : 12 Apr 2022 10:20
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/13/2022
 Supervised By : Mahesh Dadoda 04/13/2022

Quant Time: Apr 12 13:30:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 12 13:30:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	181770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	296478	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	268077	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	126016	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	2651	1.086	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	2.180%#
35) Dibromofluoromethane	5.391	113	2073	1.066	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	2.140%#
50) Toluene-d8	8.653	98	6944	0.915	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	1.820%#
62) 4-Bromofluorobenzene	11.085	95	2577	0.871	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	1.740%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1916	1.086	ug/l	82
3) Chloromethane	1.294	50	2344	1.200	ug/l	95
4) Vinyl Chloride	1.374	62	2736	1.165	ug/l	93
6) Chloroethane	1.684	64	2584	1.287	ug/l	98
7) Trichlorofluoromethane	1.886	101	4951	1.075	ug/l	87
8) Diethyl Ether	2.136	74	2223	1.260	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.325	101	2125	1.160	ug/l	93
12) 1,1-Dichloroethene	2.319	96	2125	1.184	ug/l	98
14) Allyl chloride	2.660	41	3674	1.157	ug/l #	89
15) Acrylonitrile	3.068	53	5769	4.864	ug/l	95
16) Acetone	2.373	43	5854	5.698	ug/l #	82
17) Carbon Disulfide	2.507	76	4730	1.003	ug/l #	95
18) Methyl Acetate	2.703	43	3078	1.123	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	6357	0.943	ug/l	99
20) Methylene Chloride	2.794	84	2146	1.049	ug/l #	94
21) trans-1,2-Dichloroethene	3.099	96	2482	1.155	ug/l #	70
22) Diisopropyl ether	3.763	45	6498	0.954	ug/l #	80
23) Vinyl Acetate	3.727	43	26898	4.443	ug/l #	92
24) 1,1-Dichloroethane	3.611	63	3660	0.992	ug/l	96
25) 2-Butanone	4.562	43	9001	5.068	ug/l	99
26) 2,2-Dichloropropane	4.489	77	3379	0.987	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	2607	1.076	ug/l	93
28) Bromochloromethane	4.903	49	1610	1.015	ug/l #	80
29) Tetrahydrofuran	5.013	42	5602	4.826	ug/l	96
30) Chloroform	5.098	83	4149	1.012	ug/l #	80
32) 1,1,1-Trichloroethane	5.379	97	3939	1.060	ug/l #	50
36) 1,1-Dichloropropene	5.684	75	3101	1.046	ug/l #	82
37) Ethyl Acetate	4.714	43	3502	1.014	ug/l #	83
38) Carbon Tetrachloride	5.684	117	3139	0.992	ug/l #	86
39) Methylcyclohexane	7.379	83	3486	0.995	ug/l	93
40) Benzene	6.043	78	8394	0.974	ug/l	99
41) Methacrylonitrile	4.922	41	1997	1.087	ug/l #	66
42) 1,2-Dichloroethane	6.086	62	3147	0.967	ug/l	90
43) Isopropyl Acetate	6.348	43	6082	1.057	ug/l #	90
44) Trichloroethene	7.129	130	2266	0.988	ug/l	96
45) 1,2-Dichloropropane	7.433	63	2238	1.030	ug/l	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.592	93	1625	1.014	ug/l	87
47) Bromodichloromethane	7.824	83	2950	0.952	ug/l	89
48) Methyl methacrylate	7.702	41	2854	1.086	ug/l #	75
49) 1,4-Dioxane	7.671	88	1122	19.132	ug/l	98
51) 4-Methyl-2-Pentanone	8.580	43	16706	4.553	ug/l	89
52) Toluene	8.726	92	5376	0.935	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	2968	0.848	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	3408	0.939	ug/l #	69
55) 1,1,2-Trichloroethane	9.159	97	2281	0.978	ug/l #	88
56) Ethyl methacrylate	9.122	69	3034	0.828	ug/l #	61
57) 1,3-Dichloropropane	9.311	76	3858	0.998	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.244	63	7277	4.399	ug/l	95
59) 2-Hexanone	9.433	43	12338	4.294	ug/l	87
60) Dibromochloromethane	9.525	129	2171	0.871	ug/l	100
61) 1,2-Dibromoethane	9.610	107	2527	0.995	ug/l	92
64) Tetrachloroethene	9.275	164	2322	1.092	ug/l	98
65) Chlorobenzene	10.079	112	5774	0.987	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	10.165	131	2075	0.960	ug/l #	53
67) Ethyl Benzene	10.195	91	9492	0.922	ug/l	100
68) m/p-Xylenes	10.305	106	7664	1.782	ug/l	95
69) o-Xylene	10.646	106	3804	0.910	ug/l	98
70) Styrene	10.658	104	6280	0.872	ug/l	97
71) Bromoform	10.799	173	1439	0.800	ug/l #	89
73) Isopropylbenzene	10.963	105	8950	1.000	ug/l	92
74) N-amyl acetate	10.841	43	3655	0.945	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.213	83	3451	1.103	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	3231m	1.152	ug/l	
77) Bromobenzene	11.201	156	2282	1.043	ug/l	90
78) n-propylbenzene	11.305	91	10675	1.026	ug/l	96
79) 2-Chlorotoluene	11.366	91	6934	1.099	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	7417	0.959	ug/l	99
82) 4-Chlorotoluene	11.457	91	7401	0.996	ug/l	99
83) tert-Butylbenzene	11.719	119	7239	0.968	ug/l	89
84) 1,2,4-Trimethylbenzene	11.756	105	7000	0.925	ug/l	95
85) sec-Butylbenzene	11.890	105	9668	1.012	ug/l	96
86) p-Isopropyltoluene	12.012	119	7669	0.948	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	4526	1.062	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	4730m	1.058	ug/l	
89) n-Butylbenzene	12.335	91	6227	0.899	ug/l	95
90) Hexachloroethane	12.542	117	1365	1.004	ug/l	87
91) 1,2-Dichlorobenzene	12.341	146	4314	1.013	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.951	75	782	1.137	ug/l	75
93) 1,2,4-Trichlorobenzene	13.591	180	2430	1.021	ug/l	94
94) Hexachlorobutadiene	13.725	225	1082	1.126	ug/l	96
95) Naphthalene	13.780	128	7848	0.944	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.963	180	2367	1.005	ug/l	93

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

