

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111721\
 Data File : VX025181.D
 Acq On : 17 Nov 2021 10:55
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/18/2021
 Supervised By : Mahesh Dadoda 11/18/2021

Quant Time: Nov 17 13:02:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 12:58:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	125827	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	194497	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	177413	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	6545	4.952	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	9.900%#		
35) Dibromofluoromethane	5.385	113	6279	5.188	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.380%#		
50) Toluene-d8	8.653	98	22205	4.875	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	9.740%#		
62) 4-Bromofluorobenzene	11.085	95	7837	4.578	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	9.160%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	4859	4.101	ug/l	100
3) Chloromethane	1.294	50	6383	4.508	ug/l	94
4) Vinyl Chloride	1.374	62	7285	4.638	ug/l	99
5) Bromomethane	1.599	94	4550	6.069	ug/l	93
6) Chloroethane	1.678	64	5368	5.181	ug/l	95
7) Trichlorofluoromethane	1.886	101	11312	4.829	ug/l	95
8) Diethyl Ether	2.136	74	4590	4.837	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	6078	4.986	ug/l	97
10) Methyl Iodide	2.453	142	5742	3.788	ug/l	90
11) Tert butyl alcohol	2.965	59	10167	27.857	ug/l #	94
12) 1,1-Dichloroethene	2.319	96	5966	4.940	ug/l	94
13) Acrolein	2.239	56	1358	20.102	ug/l	88
14) Allyl chloride	2.660	41	10417	4.920	ug/l	93
15) Acrylonitrile	3.068	53	17281	23.336	ug/l	98
16) Acetone	2.380	43	17779	23.090	ug/l	98
17) Carbon Disulfide	2.508	76	16127	4.760	ug/l #	94
18) Methyl Acetate	2.703	43	11318	4.696	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	20173	4.859	ug/l	100
20) Methylene Chloride	2.788	84	6867	4.903	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	6393	4.844	ug/l	84
22) Diisopropyl ether	3.763	45	19895	4.789	ug/l	99
23) Vinyl Acetate	3.727	43	79554	23.891	ug/l	97
24) 1,1-Dichloroethane	3.611	63	11205	4.935	ug/l #	94
25) 2-Butanone	4.562	43	25696	22.865	ug/l	97
26) 2,2-Dichloropropane	4.477	77	10066	4.823	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	7686	4.996	ug/l	91
28) Bromochloromethane	4.897	49	5143	4.886	ug/l #	87
29) Tetrahydrofuran	5.007	42	16160	23.763	ug/l	99
30) Chloroform	5.099	83	11598	4.927	ug/l	90
31) Cyclohexane	5.470	56	10622	5.015	ug/l	92
32) 1,1,1-Trichloroethane	5.379	97	10704	5.010	ug/l	98
36) 1,1-Dichloropropene	5.696	75	8299	4.772	ug/l	96
37) Ethyl Acetate	4.714	43	9563	4.659	ug/l	100
38) Carbon Tetrachloride	5.684	117	9830	5.082	ug/l	93
39) Methylcyclohexane	7.379	83	11175	4.863	ug/l	95
40) Benzene	6.037	78	26017	4.922	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	5477	4.828	ug/l	97
42) 1,2-Dichloroethane	6.086	62	8703	5.118	ug/l	92
43) Isopropyl Acetate	6.342	43	16303	4.857	ug/l	98
44) Trichloroethene	7.129	130	7638	4.997	ug/l	88
45) 1,2-Dichloropropane	7.433	63	6409	4.867	ug/l	94
46) Dibromomethane	7.586	93	4763	5.029	ug/l	94
47) Bromodichloromethane	7.824	83	8560	4.623	ug/l	99
48) Methyl methacrylate	7.696	41	7614	4.892	ug/l	98
49) 1,4-Dioxane	7.665	88	2855	83.817	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	48736	22.988	ug/l	98
52) Toluene	8.720	92	16707	4.815	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	9929	4.767	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	10699	4.837	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	6886	4.903	ug/l	92
56) Ethyl methacrylate	9.116	69	10123	4.563	ug/l	99
57) 1,3-Dichloropropane	9.311	76	11022	4.876	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	22173	22.054	ug/l	95
59) 2-Hexanone	9.433	43	36999	22.333	ug/l	95
60) Dibromochloromethane	9.525	129	7562	4.799	ug/l	99
61) 1,2-Dibromoethane	9.610	107	7300	4.941	ug/l	99
64) Tetrachloroethene	9.275	164	7888	5.259	ug/l	93
65) Chlorobenzene	10.079	112	18646	5.047	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	7081	4.928	ug/l	99
67) Ethyl Benzene	10.195	91	32176	4.986	ug/l	95
68) m/p-Xylenes	10.305	106	25646	9.864	ug/l	93
69) o-Xylene	10.646	106	12471	4.839	ug/l	94
70) Styrene	10.659	104	20200	4.751	ug/l	96
71) Bromoform	10.799	173	5951	4.781	ug/l #	98
73) Isopropylbenzene	10.963	105	31821	5.201	ug/l	96
74) N-amyl acetate	10.841	43	12688	4.762	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	10182	5.170	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	9304m	5.301	ug/l	
77) Bromobenzene	11.201	156	8272	5.210	ug/l	91
78) n-propylbenzene	11.305	91	34804	5.051	ug/l	95
79) 2-Chlorotoluene	11.366	91	21572	5.183	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	26924	5.248	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.024	75	3300	4.640	ug/l	93
82) 4-Chlorotoluene	11.457	91	24138	5.027	ug/l	95
83) tert-Butylbenzene	11.719	119	27124	5.196	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	26539	5.157	ug/l	96
85) sec-Butylbenzene	11.890	105	32737	5.104	ug/l	98
86) p-Isopropyltoluene	12.012	119	26992	4.947	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	14530	4.987	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	14705	5.021	ug/l	96
89) n-Butylbenzene	12.335	91	22266	4.846	ug/l	97
90) Hexachloroethane	12.542	117	4990	5.056	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	14572	5.164	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1975	4.782	ug/l	87
93) 1,2,4-Trichlorobenzene	13.591	180	7580	4.620	ug/l	98
94) Hexachlorobutadiene	13.725	225	4091	5.231	ug/l	98
95) Naphthalene	13.780	128	22134	4.316	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	7819	4.865	ug/l	98

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

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