

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072122\
 Data File : VX030154.D
 Acq On : 21 Jul 2022 00:15
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/21/2022
 Supervised By : Mahesh Dadoda 07/21/2022

Quant Time: Jul 21 03:35:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X071222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 13 09:05:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	180196	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	338108	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	300034	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	145975	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	131503	59.956	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.920%			
35) Dibromofluoromethane	5.391	113	109106	50.513	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.020%			
50) Toluene-d8	8.653	98	417915	51.445	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.900%			
62) 4-Bromofluorobenzene	11.085	95	152899	54.237	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.480%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	107981	52.814	ug/l	99
3) Chloromethane	1.288	50	98098	52.243	ug/l	99
4) Vinyl Chloride	1.374	62	110776	53.114	ug/l	98
5) Bromomethane	1.605	94	42271	47.711	ug/l	99
6) Chloroethane	1.679	64	62742	53.421	ug/l	98
7) Trichlorofluoromethane	1.880	101	146529	54.401	ug/l	97
8) Diethyl Ether	2.136	74	57447	51.554	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	103309	56.183	ug/l	100
10) Methyl Iodide	2.447	142	107552	59.114	ug/l	96
11) Tert butyl alcohol	3.002	59	153714	271.546	ug/l	97
12) 1,1-Dichloroethene	2.313	96	106161	57.824	ug/l	97
13) Acrolein	2.239	56	25024	221.960	ug/l	97
14) Allyl chloride	2.666	41	192818	60.099	ug/l	97
15) Acrylonitrile	3.069	53	404288	314.253	ug/l	99
16) Acetone	2.392	43	343647	332.507	ug/l	97
17) Carbon Disulfide	2.508	76	250733	48.796	ug/l	98
18) Methyl Acetate	2.709	43	202878	64.527	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	367558	63.337	ug/l	98
20) Methylene Chloride	2.788	84	124759	60.089	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	112987	59.043	ug/l	97
22) Diisopropyl ether	3.770	45	423317	67.406	ug/l	87
23) Vinyl Acetate	3.727	43	1821318	342.584	ug/l	99
24) 1,1-Dichloroethane	3.611	63	214674	61.688	ug/l	99
25) 2-Butanone	4.568	43	579561	329.201	ug/l	96
26) 2,2-Dichloropropane	4.477	77	94980	38.854	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	136316	58.170	ug/l	99
28) Bromochloromethane	4.904	49	93537	63.890	ug/l	97
29) Tetrahydrofuran	5.013	42	387767	324.555	ug/l	97
30) Chloroform	5.105	83	215475	62.132	ug/l	98
31) Cyclohexane	5.477	56	189922	59.732	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	176491	62.266	ug/l	99
36) 1,1-Dichloropropene	5.696	75	155866	55.866	ug/l	98
37) Ethyl Acetate	4.727	43	217904	60.781	ug/l	98
38) Carbon Tetrachloride	5.678	117	145822	56.047	ug/l	98
39) Methylcyclohexane	7.385	83	191126	54.039	ug/l	98
40) Benzene	6.044	78	497935	56.703	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	118392	61.332	ug/l	96
42) 1,2-Dichloroethane	6.092	62	169661	62.341	ug/l	98
43) Isopropyl Acetate	6.348	43	327466	60.744	ug/l	99
44) Trichloroethene	7.135	130	127969	49.870	ug/l	100
45) 1,2-Dichloropropane	7.434	63	130058	56.980	ug/l	97
46) Dibromomethane	7.586	93	87587	55.753	ug/l	98
47) Bromodichloromethane	7.824	83	163380	57.314	ug/l	95
48) Methyl methacrylate	7.696	41	161733	65.021	ug/l	96
49) 1,4-Dioxane	7.678	88	71880	1112.264	ug/l	97
51) 4-Methyl-2-Pentanone	8.580	43	1114926	312.536	ug/l	98
52) Toluene	8.720	92	305040	54.703	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	162567	54.903	ug/l	96
54) cis-1,3-Dichloropropene	8.373	75	182439	53.783	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	130269	56.650	ug/l	96
56) Ethyl methacrylate	9.122	69	207278	59.953	ug/l	94
57) 1,3-Dichloropropane	9.311	76	210888	57.731	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	539936	287.605	ug/l	99
59) 2-Hexanone	9.433	43	867912	317.259	ug/l	96
60) Dibromochloromethane	9.525	129	121314	54.151	ug/l	98
61) 1,2-Dibromoethane	9.616	107	134938	56.382	ug/l	97
64) Tetrachloroethene	9.275	164	126836	52.662	ug/l	97
65) Chlorobenzene	10.080	112	321307	53.779	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	116421	57.159	ug/l	98
67) Ethyl Benzene	10.195	91	582710	57.546	ug/l	99
68) m/p-Xylenes	10.305	106	447124	112.583	ug/l	98
69) o-Xylene	10.647	106	221424	55.681	ug/l	96
70) Styrene	10.659	104	368615	55.848	ug/l	98
71) Bromoform	10.799	173	83998	51.330	ug/l #	98
73) Isopropylbenzene	10.964	105	569351	56.015	ug/l	100
74) N-amyl acetate	10.848	43	282019	63.173	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	197616	53.890	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	185836m	55.370	ug/l	
77) Bromobenzene	11.201	156	131797	51.826	ug/l	95
78) n-propylbenzene	11.305	91	680553	56.439	ug/l	99
79) 2-Chlorotoluene	11.366	91	405425	56.133	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	482179	56.299	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	55454	47.683	ug/l	95
82) 4-Chlorotoluene	11.457	91	463293	57.252	ug/l	97
83) tert-Butylbenzene	11.719	119	448671	54.627	ug/l	94
84) 1,2,4-Trimethylbenzene	11.756	105	483961	57.129	ug/l	98
85) sec-Butylbenzene	11.896	105	616888	56.813	ug/l	99
86) p-Isopropyltoluene	12.012	119	487398	55.952	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	251550	53.535	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	256125	53.116	ug/l	99
89) n-Butylbenzene	12.335	91	463194	59.347	ug/l	99
90) Hexachloroethane	12.543	117	84357	56.648	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	254176	53.244	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	52405	62.587	ug/l	89
93) 1,2,4-Trichlorobenzene	13.591	180	149084	50.844	ug/l	99
94) Hexachlorobutadiene	13.725	225	55227	47.176	ug/l	98
95) Naphthalene	13.774	128	641403	55.110	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	159517	53.467	ug/l	99

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

