

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092922\
 Data File : VX031804.D
 Acq On : 30 Sep 2022 06:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/30/2022
 Supervised By : Mahesh Dadoda 10/06/2022

Quant Time: Sep 30 08:11:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 01:44:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	86957	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	128031	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	146528	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	120446	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	73670	39.917	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	79.840%		
35) Dibromofluoromethane	5.391	113	72369	47.439	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.880%		
50) Toluene-d8	8.653	98	254176	45.958	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.920%		
62) 4-Bromofluorobenzene	11.079	95	99334	49.004	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.000%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	54556	51.552	ug/l	98
3) Chloromethane	1.288	50	42159	44.797	ug/l	96
4) Vinyl Chloride	1.368	62	59134	40.603	ug/l	99
5) Bromomethane	1.611	94	46523	33.717	ug/l	99
6) Chloroethane	1.685	64	57500	32.778	ug/l	95
7) Trichlorofluoromethane	1.886	101	129971	35.091	ug/l	99
8) Diethyl Ether	2.130	74	44000	42.498	ug/l	74
9) 1,1,2-Trichlorotrifluo...	2.325	101	60026	51.930	ug/l	90
10) Methyl Iodide	2.453	142	58801	51.899	ug/l	99
11) Tert butyl alcohol	3.008	59	62969	267.668	ug/l #	83
12) 1,1-Dichloroethene	2.319	96	53452	60.818	ug/l #	81
13) Acrolein	2.239	56	26534	239.485	ug/l	98
14) Allyl chloride	2.666	41	65631	43.156	ug/l #	94
15) Acrylonitrile	3.069	53	142539	222.538	ug/l	98
16) Acetone	2.392	43	112052	263.219	ug/l	91
17) Carbon Disulfide	2.508	76	96467	49.771	ug/l	99
18) Methyl Acetate	2.703	43	72782	43.885	ug/l #	84
19) Methyl tert-butyl Ether	3.111	73	199568	48.617	ug/l	96
20) Methylene Chloride	2.788	84	63147	54.250	ug/l #	81
21) trans-1,2-Dichloroethene	3.087	96	61903	48.443	ug/l	87
22) Diisopropyl ether	3.757	45	164353	41.991	ug/l #	86
23) Vinyl Acetate	3.721	43	650586	210.174	ug/l #	88
24) 1,1-Dichloroethane	3.611	63	102999	45.645	ug/l	96
25) 2-Butanone	4.568	43	182037	206.639	ug/l #	87
26) 2,2-Dichloropropane	4.471	77	60847	33.223	ug/l	90
27) cis-1,2-Dichloroethene	4.489	96	78151	49.937	ug/l	79
28) Bromochloromethane	4.898	49	40453	38.323	ug/l #	49
29) Tetrahydrofuran	5.013	42	114792	207.427	ug/l #	80
30) Chloroform	5.093	83	130037	46.844	ug/l	100
31) Cyclohexane	5.471	56	77373	44.092	ug/l #	82
32) 1,1,1-Trichloroethane	5.385	97	115666	50.308	ug/l	95
36) 1,1-Dichloropropene	5.696	75	82835	47.282	ug/l	94
37) Ethyl Acetate	4.715	43	73674	41.692	ug/l #	93
38) Carbon Tetrachloride	5.678	117	105650	53.509	ug/l	97
39) Methylcyclohexane	7.385	83	94621	47.403	ug/l #	85
40) Benzene	6.038	78	254416	47.282	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	38768	43.115	ug/l #	87
42) 1,2-Dichloroethane	6.086	62	92728	44.559	ug/l	96
43) Isopropyl Acetate	6.342	43	119187	42.854	ug/l #	91
44) Trichloroethene	7.129	130	81481	53.613	ug/l	85
45) 1,2-Dichloropropane	7.428	63	60005	45.949	ug/l	96
46) Dibromomethane	7.586	93	51950	49.535	ug/l #	86
47) Bromodichloromethane	7.824	83	98692	52.149	ug/l	96
48) Methyl methacrylate	7.696	41	55765	45.591	ug/l #	82
49) 1,4-Dioxane	7.702	88	34218	1156.402	ug/l #	83
51) 4-Methyl-2-Pentanone	8.574	43	386953	219.804	ug/l	90
52) Toluene	8.720	92	184030	51.309	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	91445	42.145	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	100171	50.932	ug/l #	85
55) 1,1,2-Trichloroethane	9.153	97	80372	52.046	ug/l	97
56) Ethyl methacrylate	9.116	69	103551	52.411	ug/l #	84
57) 1,3-Dichloropropane	9.311	76	118349	48.393	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.244	63	235891	242.464	ug/l #	81
59) 2-Hexanone	9.433	43	289115	220.113	ug/l	88
60) Dibromochloromethane	9.525	129	91172	50.547	ug/l	99
61) 1,2-Dibromoethane	9.610	107	86242	55.016	ug/l	96
64) Tetrachloroethene	9.275	164	86119	54.986	ug/l	94
65) Chlorobenzene	10.079	112	219670	53.812	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	86559	58.931	ug/l	97
67) Ethyl Benzene	10.195	91	357691	51.509	ug/l	96
68) m/p-Xylenes	10.305	106	301112	107.918	ug/l	92
69) o-Xylene	10.640	106	146505	53.720	ug/l	93
70) Styrene	10.659	104	244056	54.976	ug/l	95
71) Bromoform	10.799	173	66638	52.672	ug/l #	99
73) Isopropylbenzene	10.963	105	392963	50.449	ug/l	97
74) N-amyl acetate	10.842	43	108253	42.844	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	11.213	83	116030	46.881	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	98590m	45.151	ug/l	
77) Bromobenzene	11.201	156	106280	53.673	ug/l	82
78) n-propylbenzene	11.305	91	426175	49.168	ug/l	95
79) 2-Chlorotoluene	11.366	91	253197	47.305	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	335354	50.789	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	25003	39.629	ug/l	98
82) 4-Chlorotoluene	11.457	91	297455	48.104	ug/l	92
83) tert-Butylbenzene	11.713	119	348011	54.655	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	337837	51.691	ug/l	96
85) sec-Butylbenzene	11.890	105	412531	50.980	ug/l	96
86) p-Isopropyltoluene	12.012	119	363456	52.084	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	207174	53.969	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	210378	52.356	ug/l	97
89) n-Butylbenzene	12.335	91	270116	47.385	ug/l	96
90) Hexachloroethane	12.536	117	57982	51.817	ug/l	87
91) 1,2-Dichlorobenzene	12.335	146	207610	54.005	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	23804	47.997	ug/l	63
93) 1,2,4-Trichlorobenzene	13.591	180	129154	57.450	ug/l	99
94) Hexachlorobutadiene	13.725	225	48672	55.522	ug/l	97
95) Naphthalene	13.774	128	428822	57.105	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	129724	56.225	ug/l	98

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

