

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120922\
 Data File : VX033361.D
 Acq On : 09 Dec 2022 20:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/12/2022
 Supervised By : Mahesh Dadoda 12/12/2022

Quant Time: Dec 10 05:58:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	158106	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	250966	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	228712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	47176	46.511	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.020%		
35) Dibromofluoromethane	5.391	113	53713	47.584	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.160%		
50) Toluene-d8	8.647	98	117535	49.774	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.540%		
62) 4-Bromofluorobenzene	11.079	95	92382	51.166	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.340%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	55276	50.049	ug/l	99
3) Chloromethane	1.295	50	59108	46.287	ug/l	97
4) Vinyl Chloride	1.374	62	70392	48.277	ug/l	100
5) Bromomethane	1.618	94	46536	43.490	ug/l	99
6) Chloroethane	1.691	64	51524	46.587	ug/l	97
7) Trichlorofluoromethane	1.886	101	138639	50.646	ug/l	99
8) Diethyl Ether	2.136	74	32834	33.208	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.331	101	74881	51.567	ug/l	99
10) Methyl Iodide	2.453	142	84969	53.427	ug/l	98
11) Tert butyl alcohol	3.008	59	70486m	227.297	ug/l	
12) 1,1-Dichloroethene	2.325	96	67291	46.946	ug/l	100
13) Acrolein	2.239	56	64003	190.300	ug/l	99
14) Allyl chloride	2.666	41	113417	49.548	ug/l	95
15) Acrylonitrile	3.069	53	185014	240.850	ug/l	99
16) Acetone	2.392	43	154809	206.259	ug/l	99
17) Carbon Disulfide	2.514	76	171409	46.594	ug/l	99
18) Methyl Acetate	2.709	43	106894	49.197	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	256425	51.647	ug/l	99
20) Methylene Chloride	2.788	84	82120	49.060	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	81727	52.123	ug/l	97
22) Diisopropyl ether	3.757	45	251392	51.261	ug/l	90
23) Vinyl Acetate	3.721	43	955391	250.988	ug/l	98
24) 1,1-Dichloroethane	3.611	63	145951	50.650	ug/l	99
25) 2-Butanone	4.562	43	251388	233.336	ug/l	97
26) 2,2-Dichloropropane	4.477	77	104037	49.096	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	97890	52.239	ug/l	96
28) Bromochloromethane	4.898	49	61453	50.946	ug/l	92
29) Tetrahydrofuran	5.013	42	164226	235.272	ug/l	97
30) Chloroform	5.093	83	163770	51.194	ug/l	100
31) Cyclohexane	5.471	56	127229	52.780	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	146081	53.074	ug/l	98
36) 1,1-Dichloropropene	5.696	75	115686	52.566	ug/l	99
37) Ethyl Acetate	4.715	43	102858	49.443	ug/l	99
38) Carbon Tetrachloride	5.678	117	127239	51.602	ug/l	99
39) Methylcyclohexane	7.379	83	134295	54.518	ug/l	99
40) Benzene	6.038	78	336395	52.424	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	58730	51.231	ug/l	96
42) 1,2-Dichloroethane	6.086	62	130257	51.120	ug/l	98
43) Isopropyl Acetate	6.342	43	166630	49.781	ug/l	97
44) Trichloroethene	7.129	130	94633	53.490	ug/l	98
45) 1,2-Dichloropropane	7.434	63	85190	51.912	ug/l	100
46) Dibromomethane	7.580	93	64184	51.342	ug/l	98
47) Bromodichloromethane	7.824	83	126283	51.822	ug/l	100
48) Methyl methacrylate	7.690	41	86781	50.234	ug/l	92
49) 1,4-Dioxane	7.708	88	38974	989.345	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	530082	250.418	ug/l	96
52) Toluene	8.720	92	222820	53.708	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	124133	47.548	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	137183	52.903	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	91186	52.287	ug/l	99
56) Ethyl methacrylate	9.116	69	131466	53.541	ug/l	91
57) 1,3-Dichloropropane	9.305	76	145651	51.989	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	282856	251.760	ug/l	98
59) 2-Hexanone	9.433	43	383289	245.709	ug/l	95
60) Dibromochloromethane	9.519	129	99704	51.889	ug/l	100
61) 1,2-Dibromoethane	9.610	107	97794	52.718	ug/l	99
64) Tetrachloroethene	9.275	164	81759	52.278	ug/l	96
65) Chlorobenzene	10.080	112	241391	52.120	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	91696	52.390	ug/l	99
67) Ethyl Benzene	10.195	91	436215	54.063	ug/l	100
68) m/p-Xylenes	10.299	106	342933	109.240	ug/l	96
69) o-Xylene	10.640	106	168498	54.302	ug/l	97
70) Styrene	10.653	104	278922	54.884	ug/l	98
71) Bromoform	10.799	173	70129	50.620	ug/l #	100
73) Isopropylbenzene	10.964	105	442837	54.783	ug/l	99
74) N-amyl acetate	10.842	43	143860	52.162	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	128061	49.937	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	103158m	45.464	ug/l	
77) Bromobenzene	11.201	156	106292	52.072	ug/l	99
78) n-propylbenzene	11.305	91	498376	55.216	ug/l	99
79) 2-Chlorotoluene	11.366	91	295551	52.984	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	369484	54.911	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	34565	47.387	ug/l	97
82) 4-Chlorotoluene	11.457	91	344238	53.072	ug/l	98
83) tert-Butylbenzene	11.713	119	358759	53.467	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	363014	54.047	ug/l	99
85) sec-Butylbenzene	11.890	105	437739	55.915	ug/l	99
86) p-Isopropyltoluene	12.006	119	370321	54.867	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	196542	53.154	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	197297	52.238	ug/l	98
89) n-Butylbenzene	12.335	91	304878	55.151	ug/l	99
90) Hexachloroethane	12.536	117	58670	51.139	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	191251	51.734	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	26078	47.079	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	117741	52.736	ug/l	99
94) Hexachlorobutadiene	13.725	225	47092	52.673	ug/l	96
95) Naphthalene	13.774	128	397271	53.344	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	118036	52.200	ug/l	99

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

