

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111422\
 Data File : VX032782.D
 Acq On : 14 Nov 2022 10:17
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/15/2022
 Supervised By : Mahesh Dadoda 11/15/2022

Quant Time: Nov 15 05:06:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	90195	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	141843	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	133719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74761	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62278	49.694	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 99.380%			
35) Dibromofluoromethane	5.385	113	52543	51.931	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.860%			
50) Toluene-d8	8.647	98	168310	47.840	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.680%			
62) 4-Bromofluorobenzene	11.079	95	71991	52.384	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.760%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	42412	40.770	ug/l	100
3) Chloromethane	1.294	50	36719	41.738	ug/l	98
4) Vinyl Chloride	1.374	62	40867	42.209	ug/l	99
5) Bromomethane	1.617	94	32105	41.493	ug/l	99
6) Chloroethane	1.691	64	41280	63.553	ug/l	100
7) Trichlorofluoromethane	1.886	101	87396	47.639	ug/l	99
8) Diethyl Ether	2.130	74	30739	51.705	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	45796	47.296	ug/l	99
10) Methyl Iodide	2.453	142	47201	44.063	ug/l	100
11) Tert butyl alcohol	3.014	59	39494m	216.515	ug/l	
12) 1,1-Dichloroethene	2.319	96	40621	44.908	ug/l	94
13) Acrolein	2.239	56	47191	259.152	ug/l	100
14) Allyl chloride	2.666	41	72918	50.571	ug/l	100
15) Acrylonitrile	3.068	53	117900	238.162	ug/l	98
16) Acetone	2.392	43	123650	271.464	ug/l	97
17) Carbon Disulfide	2.514	76	95287	44.228	ug/l	100
18) Methyl Acetate	2.703	43	76819	51.862	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	174694	54.950	ug/l	99
20) Methylene Chloride	2.788	84	52305	50.083	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	46853	47.587	ug/l	98
22) Diisopropyl ether	3.757	45	173216	55.539	ug/l	96
23) Vinyl Acetate	3.721	43	641174	254.459	ug/l	99
24) 1,1-Dichloroethane	3.611	63	93331	52.026	ug/l	99
25) 2-Butanone	4.562	43	171026	242.354	ug/l	96
26) 2,2-Dichloropropane	4.471	77	79285	55.598	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	61287	53.852	ug/l	100
28) Bromochloromethane	4.897	49	30252	47.343	ug/l	98
29) Tetrahydrofuran	5.013	42	100992	224.431	ug/l	99
30) Chloroform	5.092	83	109506	55.630	ug/l	97
31) Cyclohexane	5.470	56	67149	44.191	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	92774	52.520	ug/l	99
36) 1,1-Dichloropropene	5.690	75	66915	47.493	ug/l	99
37) Ethyl Acetate	4.708	43	65625	44.747	ug/l	98
38) Carbon Tetrachloride	5.678	117	84056	53.788	ug/l	100
39) Methylcyclohexane	7.379	83	74264	44.549	ug/l	99
40) Benzene	6.037	78	204352	51.253	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	38147	51.059	ug/l	98
42) 1,2-Dichloroethane	6.080	62	90302	55.406	ug/l	99
43) Isopropyl Acetate	6.336	43	114446	50.824	ug/l	99
44) Trichloroethene	7.123	130	57202	50.964	ug/l	96
45) 1,2-Dichloropropane	7.427	63	56072	54.785	ug/l	98
46) Dibromomethane	7.580	93	43200	55.037	ug/l	100
47) Bromodichloromethane	7.818	83	91017	61.182	ug/l	97
48) Methyl methacrylate	7.690	41	56860	48.892	ug/l	99
49) 1,4-Dioxane	7.720	88	18495	834.484	ug/l #	76
51) 4-Methyl-2-Pentanone	8.574	43	347878	245.267	ug/l	100
52) Toluene	8.720	92	137271	52.770	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	94988	62.580	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	97368	59.975	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	61730	56.348	ug/l	98
56) Ethyl methacrylate	9.116	69	84841	53.815	ug/l	99
57) 1,3-Dichloropropane	9.305	76	98154	55.481	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	192294	253.314	ug/l	99
59) 2-Hexanone	9.433	43	261011	248.005	ug/l	100
60) Dibromochloromethane	9.518	129	76052	63.558	ug/l	99
61) 1,2-Dibromoethane	9.610	107	64753	55.784	ug/l	99
64) Tetrachloroethene	9.275	164	48372	49.423	ug/l	98
65) Chlorobenzene	10.079	112	155900	52.047	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	66163	58.690	ug/l	99
67) Ethyl Benzene	10.195	91	272499	50.873	ug/l	100
68) m/p-Xylenes	10.299	106	215095	103.414	ug/l	100
69) o-Xylene	10.640	106	106773	52.799	ug/l	99
70) Styrene	10.652	104	184381	54.861	ug/l	99
71) Bromoform	10.799	173	58523	65.658	ug/l #	100
73) Isopropylbenzene	10.963	105	284222	47.976	ug/l	100
74) N-amyl acetate	10.841	43	103860	46.399	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	92609	48.701	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	72891m	43.824	ug/l	
77) Bromobenzene	11.195	156	73845	50.844	ug/l	99
78) n-propylbenzene	11.305	91	329355	48.254	ug/l	100
79) 2-Chlorotoluene	11.366	91	202121	49.447	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	249865	49.349	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	28674	54.857	ug/l	96
82) 4-Chlorotoluene	11.451	91	238882	49.943	ug/l	98
83) tert-Butylbenzene	11.713	119	253163	50.083	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	250014	49.647	ug/l	100
85) sec-Butylbenzene	11.890	105	293672	48.282	ug/l	100
86) p-Isopropyltoluene	12.012	119	253118	49.043	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	139940	51.079	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	144706	50.913	ug/l	98
89) n-Butylbenzene	12.335	91	221343	49.296	ug/l	99
90) Hexachloroethane	12.536	117	48755	57.834	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	138736	51.357	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	19312	46.319	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	89633	50.887	ug/l	97
94) Hexachlorobutadiene	13.725	225	36060	49.019	ug/l	99
95) Naphthalene	13.774	128	279873	47.685	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	89513	49.993	ug/l	99

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

