

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091622\
 Data File : VX031448.D
 Acq On : 17 Sep 2022 06:25
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/19/2022
 Supervised By : Mahesh Dadoda 09/19/2022

Quant Time: Sep 19 02:26:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 01:50:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	49788	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	77891	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	88406	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	66487	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	45405	37.154	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	74.300%		
35) Dibromofluoromethane	5.391	113	39292	46.929	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.860%		
50) Toluene-d8	8.653	98	145421	46.302	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.600%		
62) 4-Bromofluorobenzene	11.079	95	51498	44.777	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.560%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	21893	40.725	ug/l	95
3) Chloromethane	1.288	50	32614	44.067	ug/l	97
4) Vinyl Chloride	1.374	62	40783	46.882	ug/l	99
5) Bromomethane	1.612	94	47442	72.724	ug/l	98
6) Chloroethane	1.685	64	62245	90.144	ug/l	96
7) Trichlorofluoromethane	1.886	101	92673	58.116	ug/l	99
8) Diethyl Ether	2.136	74	32477	49.363	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.331	101	34381	45.595	ug/l	92
10) Methyl Iodide	2.453	142	31511	39.362	ug/l	100
11) Tert butyl alcohol	3.014	59	54916	209.723	ug/l #	82
12) 1,1-Dichloroethene	2.319	96	31755	45.683	ug/l	95
13) Acrolein	2.240	56	20421	144.805	ug/l	95
14) Allyl chloride	2.666	41	50833	33.103	ug/l	96
15) Acrylonitrile	3.069	53	110102	195.339	ug/l	99
16) Acetone	2.392	43	96061	184.129	ug/l	95
17) Carbon Disulfide	2.514	76	69820	42.116	ug/l	100
18) Methyl Acetate	2.709	43	57755	37.333	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	129007	40.076	ug/l	98
20) Methylene Chloride	2.788	84	38628	47.073	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	36780	46.993	ug/l	95
22) Diisopropyl ether	3.764	45	125863	39.168	ug/l	94
23) Vinyl Acetate	3.727	43	546585	204.671	ug/l	99
24) 1,1-Dichloroethane	3.611	63	69206	41.037	ug/l	98
25) 2-Butanone	4.562	43	161255	187.391	ug/l	96
26) 2,2-Dichloropropane	4.477	77	39361	24.601	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	45131	44.078	ug/l	88
28) Bromochloromethane	4.898	49	31249	39.754	ug/l	90
29) Tetrahydrofuran	5.007	42	101706	190.808	ug/l	94
30) Chloroform	5.093	83	79024	44.251	ug/l	95
31) Cyclohexane	5.477	56	55843	42.533	ug/l	91
32) 1,1,1-Trichloroethane	5.385	97	68888	43.051	ug/l	99
36) 1,1-Dichloropropene	5.696	75	52448	45.766	ug/l	98
37) Ethyl Acetate	4.721	43	62128	41.254	ug/l	99
38) Carbon Tetrachloride	5.678	117	58929	47.306	ug/l	99
39) Methylcyclohexane	7.379	83	59192	46.901	ug/l	93
40) Benzene	6.038	78	159185	48.372	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	31725	38.886	ug/l	93
42) 1,2-Dichloroethane	6.086	62	61741	46.512	ug/l	99
43) Isopropyl Acetate	6.342	43	103205	40.147	ug/l	99
44) Trichloroethene	7.129	130	44107	52.568	ug/l	90
45) 1,2-Dichloropropane	7.434	63	42073	46.700	ug/l	92
46) Dibromomethane	7.586	93	31651	49.539	ug/l	92
47) Bromodichloromethane	7.824	83	61885	46.569	ug/l	99
48) Methyl methacrylate	7.696	41	46817	40.007	ug/l	92
49) 1,4-Dioxane	7.702	88	23146	986.263	ug/l	92
51) 4-Methyl-2-Pentanone	8.574	43	348966	223.333	ug/l	100
52) Toluene	8.720	92	107998	51.879	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	61654	41.227	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	64567	42.013	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	46910	51.047	ug/l	99
56) Ethyl methacrylate	9.116	69	69484	46.708	ug/l	93
57) 1,3-Dichloropropane	9.311	76	74961	47.473	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	146178	210.898	ug/l	95
59) 2-Hexanone	9.433	43	268014	224.735	ug/l	100
60) Dibromochloromethane	9.525	129	49969	50.438	ug/l	100
61) 1,2-Dibromoethane	9.610	107	50476	53.531	ug/l	98
64) Tetrachloroethene	9.275	164	40124	49.640	ug/l	97
65) Chlorobenzene	10.080	112	119675	51.112	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	46647	50.565	ug/l	99
67) Ethyl Benzene	10.195	91	213216	50.276	ug/l	99
68) m/p-Xylenes	10.305	106	169952	105.539	ug/l	99
69) o-Xylene	10.640	106	83461	51.028	ug/l	97
70) Styrene	10.659	104	141137	53.065	ug/l	98
71) Bromoform	10.799	173	37439	50.978	ug/l #	99
73) Isopropylbenzene	10.964	105	222465	45.301	ug/l	99
74) N-amyl acetate	10.842	43	97290	39.851	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.214	83	76601	43.404	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	66776m	39.855	ug/l	
77) Bromobenzene	11.201	156	54390	48.575	ug/l	93
78) n-propylbenzene	11.305	91	254871	44.224	ug/l	99
79) 2-Chlorotoluene	11.366	91	148856	42.212	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	191326	46.502	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	19083	31.515	ug/l	93
82) 4-Chlorotoluene	11.457	91	177250	43.852	ug/l	98
83) tert-Butylbenzene	11.713	119	190784	46.348	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	190349	46.549	ug/l	100
85) sec-Butylbenzene	11.890	105	236195	45.823	ug/l	100
86) p-Isopropyltoluene	12.012	119	199957	47.606	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	103918	48.679	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	108264	49.343	ug/l	98
89) n-Butylbenzene	12.335	91	169735	45.571	ug/l	98
90) Hexachloroethane	12.543	117	35029	41.761	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	105567	48.571	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	16426	40.210	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	60796	51.658	ug/l	97
94) Hexachlorobutadiene	13.725	225	22028	47.949	ug/l	98
95) Naphthalene	13.774	128	225414	47.143	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	61962	49.164	ug/l	97

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

