

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101122\
 Data File : VX032071.D
 Acq On : 12 Oct 2022 08:57
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/12/2022
 Supervised By : Mahesh Dadoda 10/12/2022

Quant Time: Oct 12 13:27:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	67702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	107673	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	120207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86836	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	82270	58.840	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.680%			
35) Dibromofluoromethane	5.385	113	61897	50.785	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.580%			
50) Toluene-d8	8.647	98	225162	51.341	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.680%			
62) 4-Bromofluorobenzene	11.079	95	87291	56.300	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.600%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	51774	51.386	ug/l	99
3) Chloromethane	1.288	50	47645	45.157	ug/l	98
4) Vinyl Chloride	1.374	62	55674	45.153	ug/l	97
5) Bromomethane	1.611	94	37577	46.777	ug/l	99
6) Chloroethane	1.685	64	50030	47.681	ug/l	95
7) Trichlorofluoromethane	1.886	101	107101	48.323	ug/l	100
8) Diethyl Ether	2.130	74	36495	48.307	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	52933	47.250	ug/l	94
10) Methyl Iodide	2.453	142	49227	43.561	ug/l	98
11) Tert butyl alcohol	3.014	59	49190	282.769	ug/l #	94
12) 1,1-Dichloroethene	2.319	96	47770	46.323	ug/l	95
13) Acrolein	2.239	56	21434	211.292	ug/l	93
14) Allyl chloride	2.666	41	74332	50.658	ug/l	98
15) Acrylonitrile	3.068	53	134672	242.848	ug/l	100
16) Acetone	2.392	43	117194	246.625	ug/l	99
17) Carbon Disulfide	2.508	76	97748	44.140	ug/l	98
18) Methyl Acetate	2.703	43	82260	52.465	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	178311	51.527	ug/l	99
20) Methylene Chloride	2.788	84	56283	45.072	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	52775	46.212	ug/l	95
22) Diisopropyl ether	3.757	45	186362	56.496	ug/l	91
23) Vinyl Acetate	3.721	43	710901	288.316	ug/l	100
24) 1,1-Dichloroethane	3.611	63	101658	51.411	ug/l	99
25) 2-Butanone	4.562	43	190028	255.816	ug/l	99
26) 2,2-Dichloropropane	4.477	77	52201	36.754	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	64602	47.277	ug/l	92
28) Bromochloromethane	4.897	49	46881	55.391	ug/l	91
29) Tetrahydrofuran	5.007	42	121750	254.020	ug/l	96
30) Chloroform	5.092	83	116332	52.818	ug/l	100
31) Cyclohexane	5.470	56	83441	49.955	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	101274	54.109	ug/l	99
36) 1,1-Dichloropropene	5.690	75	78678	48.681	ug/l	99
37) Ethyl Acetate	4.715	43	78810	51.795	ug/l	99
38) Carbon Tetrachloride	5.678	117	87164	52.746	ug/l	97
39) Methylcyclohexane	7.379	83	91841	47.641	ug/l	95
40) Benzene	6.037	78	232707	49.171	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	43747	55.290	ug/l	97
42) 1,2-Dichloroethane	6.086	62	97271	56.404	ug/l	100
43) Isopropyl Acetate	6.342	43	127339	55.159	ug/l	99
44) Trichloroethene	7.129	130	63786	45.966	ug/l	96
45) 1,2-Dichloropropane	7.427	63	60738	52.223	ug/l	97
46) Dibromomethane	7.580	93	45123	50.062	ug/l	95
47) Bromodichloromethane	7.824	83	88962	57.134	ug/l	100
48) Methyl methacrylate	7.696	41	64059	58.069	ug/l	96
49) 1,4-Dioxane	7.696	88	23553	939.652	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	414142	270.706	ug/l	100
52) Toluene	8.720	92	153505	49.609	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	83634	49.898	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	90353	53.582	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	64144	49.115	ug/l	99
56) Ethyl methacrylate	9.116	69	93769	56.013	ug/l	98
57) 1,3-Dichloropropane	9.311	76	107733	51.334	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	220884	255.608	ug/l	96
59) 2-Hexanone	9.433	43	306580	271.785	ug/l	100
60) Dibromochloromethane	9.525	129	66393	55.549	ug/l	99
61) 1,2-Dibromoethane	9.610	107	65982	50.239	ug/l	98
64) Tetrachloroethene	9.275	164	63180	46.555	ug/l	94
65) Chlorobenzene	10.079	112	167407	45.962	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	63134	50.095	ug/l	99
67) Ethyl Benzene	10.195	91	302187	49.043	ug/l	100
68) m/p-Xylenes	10.299	106	232889	95.111	ug/l	97
69) o-Xylene	10.640	106	113399	47.647	ug/l	94
70) Styrene	10.652	104	194282	51.064	ug/l	99
71) Bromoform	10.799	173	44424	53.844	ug/l #	100
73) Isopropylbenzene	10.963	105	310235	47.369	ug/l	98
74) N-amyl acetate	10.848	43	118041	59.020	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	95625	45.954	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	86344m	48.516	ug/l	
77) Bromobenzene	11.201	156	72358	44.851	ug/l	97
78) n-propylbenzene	11.305	91	359441	48.252	ug/l	99
79) 2-Chlorotoluene	11.366	91	217193	48.449	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	264430	48.681	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	20948	42.360	ug/l #	83
82) 4-Chlorotoluene	11.457	91	252407	49.163	ug/l	97
83) tert-Butylbenzene	11.713	119	256002	47.619	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	267905	48.550	ug/l	98
85) sec-Butylbenzene	11.890	105	334912	50.318	ug/l	98
86) p-Isopropyltoluene	12.012	119	282870	50.477	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	140532	45.750	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	144095	45.574	ug/l	99
89) n-Butylbenzene	12.335	91	244416	52.083	ug/l	99
90) Hexachloroethane	12.536	117	44637	50.089	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	143526	46.995	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	20859	54.762	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	87981	47.464	ug/l	99
94) Hexachlorobutadiene	13.725	225	35721	47.647	ug/l	99
95) Naphthalene	13.774	128	298518	46.998	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	88536	47.088	ug/l	100

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

