

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120922\
 Data File : VX033338.D
 Acq On : 09 Dec 2022 11:26
 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 12/09/2022
 Supervised By : Mahesh Dadoda 12/12/2022

Quant Time: Dec 09 14:41:18 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	5.549	168	189049	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	290436	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	262677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	130441	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	54154	44.651	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.300%		
35) Dibromofluoromethane	5.385	113	63218	48.394	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.780%		
50) Toluene-d8	8.646	98	140667	51.474	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.940%		
62) 4-Bromofluorobenzene	11.079	95	111792	53.502	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.000%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	73149	55.391	ug/l	100
3) Chloromethane	1.294	50	72617	47.558	ug/l	99
4) Vinyl Chloride	1.373	62	83918	48.133	ug/l	99
5) Bromomethane	1.617	94	59314	46.359	ug/l	95
6) Chloroethane	1.690	64	58388	44.152	ug/l	98
7) Trichlorofluoromethane	1.886	101	160549	49.050	ug/l	99
8) Diethyl Ether	2.129	74	38613	32.661	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.331	101	93875	54.066	ug/l	98
10) Methyl Iodide	2.452	142	96044	50.506	ug/l	97
11) Tert butyl alcohol	3.001	59	83447m	225.048	ug/l	
12) 1,1-Dichloroethene	2.318	96	86484	50.461	ug/l	99
13) Acrolein	2.245	56	79076	196.634	ug/l	100
14) Allyl chloride	2.666	41	132843	48.536	ug/l	94
15) Acrylonitrile	3.062	53	203393	221.438	ug/l	99
16) Acetone	2.392	43	220340	245.518	ug/l	98
17) Carbon Disulfide	2.513	76	211725	48.132	ug/l	99
18) Methyl Acetate	2.702	43	118992	45.801	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	296306	49.911	ug/l	100
20) Methylene Chloride	2.788	84	94476	47.203	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	95124	50.738	ug/l	98
22) Diisopropyl ether	3.757	45	283155	48.287	ug/l	97
23) Vinyl Acetate	3.721	43	1082178	237.764	ug/l	97
24) 1,1-Dichloroethane	3.605	63	166162	48.226	ug/l	99
25) 2-Butanone	4.556	43	294541	228.642	ug/l	97
26) 2,2-Dichloropropane	4.470	77	137349	54.207	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	111887	49.936	ug/l	96
28) Bromochloromethane	4.891	49	71313	49.444	ug/l	89
29) Tetrahydrofuran	5.001	42	178918	214.366	ug/l	96
30) Chloroform	5.092	83	186848	48.848	ug/l	100
31) Cyclohexane	5.464	56	149198	51.763	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	169534	51.513	ug/l	98
36) 1,1-Dichloropropene	5.690	75	135309	53.127	ug/l	99
37) Ethyl Acetate	4.708	43	111842	46.455	ug/l	98
38) Carbon Tetrachloride	5.671	117	150691	52.808	ug/l	99
39) Methylcyclohexane	7.378	83	162841	57.122	ug/l	97
40) Benzene	6.031	78	381542	51.380	ug/l	99

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41) Methacrylonitrile	4.915	41	64651	48.732	ug/l	96
42) 1,2-Dichloroethane	6.080	62	144776	49.096	ug/l	98
43) Isopropyl Acetate	6.336	43	188833	48.747	ug/l	96
44) Trichloroethene	7.122	130	111679	54.547	ug/l	97
45) 1,2-Dichloropropane	7.427	63	95694	50.388	ug/l	97
46) Dibromomethane	7.580	93	72092	49.831	ug/l	97
47) Bromodichloromethane	7.817	83	143967	51.050	ug/l	99
48) Methyl methacrylate	7.689	41	95827	47.932	ug/l	91
49) 1,4-Dioxane	7.708	88	45264	992.865	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	573477	234.101	ug/l	95
52) Toluene	8.714	92	254808	53.071	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	149390	49.346	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	163894	54.614	ug/l #	89
55) 1,1,2-Trichloroethane	9.152	97	103424	51.245	ug/l	98
56) Ethyl methacrylate	9.116	69	149428	52.586	ug/l #	90
57) 1,3-Dichloropropane	9.305	76	163828	50.530	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	298079	229.254	ug/l	97
59) 2-Hexanone	9.427	43	430016	238.201	ug/l	94
60) Dibromochloromethane	9.518	129	115987	52.160	ug/l	100
61) 1,2-Dibromoethane	9.610	107	110021	51.249	ug/l	100
64) Tetrachloroethene	9.268	164	95255	53.032	ug/l	96
65) Chlorobenzene	10.079	112	279326	52.512	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	107010	53.234	ug/l	99
67) Ethyl Benzene	10.195	91	504326	54.422	ug/l	99
68) m/p-Xylenes	10.299	106	393081	109.024	ug/l	97
69) o-Xylene	10.640	106	191699	53.791	ug/l	97
70) Styrene	10.652	104	317822	54.452	ug/l	98
71) Bromoform	10.799	173	81803	51.412	ug/l #	99
73) Isopropylbenzene	10.963	105	505146	53.429	ug/l	99
74) N-amyl acetate	10.841	43	164022	50.849	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	142482	47.504	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	115675m	43.588	ug/l	
77) Bromobenzene	11.195	156	122591	51.349	ug/l	99
78) n-propylbenzene	11.305	91	575941	54.557	ug/l	98
79) 2-Chlorotoluene	11.366	91	340730	52.226	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	426077	54.140	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	42606	49.940	ug/l	92
82) 4-Chlorotoluene	11.451	91	400100	52.740	ug/l	99
83) tert-Butylbenzene	11.713	119	417231	53.165	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	419605	53.413	ug/l	100
85) sec-Butylbenzene	11.890	105	513106	56.038	ug/l	99
86) p-Isopropyltoluene	12.006	119	439512	55.675	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	228916	52.932	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	231951	52.508	ug/l	98
89) n-Butylbenzene	12.335	91	374227	57.879	ug/l	99
90) Hexachloroethane	12.536	117	70263	52.363	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	221251	51.171	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	30117	46.486	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	143508	54.956	ug/l	99
94) Hexachlorobutadiene	13.725	225	60619	57.971	ug/l	98
95) Naphthalene	13.774	128	460444	52.861	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	142928	54.043	ug/l	100

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

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