

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042723\
 Data File : VX035327.D
 Acq On : 27 Apr 2023 09:40
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/27/2023
 Supervised By : Mahesh Dadoda 04/28/2023

Quant Time: Apr 27 16:23:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	296701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	462567	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	410355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	207220	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	167220	46.716	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.440%		
35) Dibromofluoromethane	5.385	113	137804	48.538	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.080%		
50) Toluene-d8	8.647	98	514470	48.036	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.080%		
62) 4-Bromofluorobenzene	11.079	95	197584	49.041	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.080%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	142909	45.520	ug/l	100
3) Chloromethane	1.294	50	117897	41.281	ug/l	99
4) Vinyl Chloride	1.374	62	123129	42.985	ug/l	98
5) Bromomethane	1.617	94	83556	43.888	ug/l	94
6) Chloroethane	1.691	64	70461	42.059	ug/l	99
7) Trichlorofluoromethane	1.886	101	197658	44.126	ug/l	98
8) Diethyl Ether	2.130	74	70842	43.375	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	131892	44.084	ug/l	95
10) Methyl Iodide	2.453	142	172490	45.682	ug/l	98
11) Tert butyl alcohol	3.007	59	138040	211.796	ug/l #	92
12) 1,1-Dichloroethene	2.318	96	125115	43.417	ug/l	97
13) Acrolein	2.239	56	143013	223.123	ug/l	99
14) Allyl chloride	2.666	41	221755	43.728	ug/l	98
15) Acrylonitrile	3.062	53	342834	210.313	ug/l	100
16) Acetone	2.392	43	321807	206.997	ug/l	98
17) Carbon Disulfide	2.514	76	311607	45.107	ug/l	99
18) Methyl Acetate	2.703	43	257073	42.762	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	441090	44.616	ug/l	98
20) Methylene Chloride	2.788	84	144525	40.543	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	137765	44.018	ug/l	96
22) Diisopropyl ether	3.751	45	435882	43.435	ug/l	94
23) Vinyl Acetate	3.715	43	1564697	226.834	ug/l	99
24) 1,1-Dichloroethane	3.605	63	248971	44.045	ug/l	99
25) 2-Butanone	4.556	43	485491	213.952	ug/l	97
26) 2,2-Dichloropropane	4.471	77	206678	46.670	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	158357	43.045	ug/l	96
28) Bromochloromethane	4.891	49	118293	49.107	ug/l	85
29) Tetrahydrofuran	5.001	42	295021	202.814	ug/l	95
30) Chloroform	5.086	83	255894	44.844	ug/l	95
31) Cyclohexane	5.464	56	222013	43.723	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	224497	44.891	ug/l	96
36) 1,1-Dichloropropene	5.690	75	193717	43.698	ug/l	99
37) Ethyl Acetate	4.708	43	180555	44.593	ug/l	96
38) Carbon Tetrachloride	5.672	117	196847	46.775	ug/l	98
39) Methylcyclohexane	7.379	83	239346	44.355	ug/l	99
40) Benzene	6.031	78	556609	43.769	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	101528	43.762	ug/l	97
42) 1,2-Dichloroethane	6.086	62	200544	44.229	ug/l	97
43) Isopropyl Acetate	6.336	43	299799	44.066	ug/l	95
44) Trichloroethene	7.122	130	157169	44.863	ug/l	95
45) 1,2-Dichloropropane	7.427	63	142936	44.582	ug/l	99
46) Dibromomethane	7.580	93	98676	44.818	ug/l	92
47) Bromodichloromethane	7.817	83	191153	47.122	ug/l	99
48) Methyl methacrylate	7.689	41	153196	45.904	ug/l	93
49) 1,4-Dioxane	7.720	88	68835	846.188	ug/l #	78
51) 4-Methyl-2-Pentanone	8.567	43	899224	215.136	ug/l	95
52) Toluene	8.714	92	358645	44.492	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	212575	50.179	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	234556	48.985	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	142532	44.354	ug/l	97
56) Ethyl methacrylate	9.116	69	221158	46.199	ug/l	89
57) 1,3-Dichloropropane	9.305	76	242149	44.055	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	584852	244.340	ug/l	95
59) 2-Hexanone	9.427	43	695047	221.348	ug/l	94
60) Dibromochloromethane	9.518	129	149660	48.608	ug/l	100
61) 1,2-Dibromoethane	9.610	107	150831	45.530	ug/l	100
64) Tetrachloroethene	9.268	164	139916	44.531	ug/l	98
65) Chlorobenzene	10.079	112	383671	43.215	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	143256	46.364	ug/l	98
67) Ethyl Benzene	10.189	91	686979	44.682	ug/l	99
68) m/p-Xylenes	10.299	106	530017	89.965	ug/l	98
69) o-Xylene	10.640	106	261542	45.272	ug/l	98
70) Styrene	10.652	104	430451	45.954	ug/l	98
71) Bromoform	10.799	173	107242	49.899	ug/l #	99
73) Isopropylbenzene	10.963	105	686698	45.334	ug/l	100
74) N-amyl acetate	10.841	43	262537	46.120	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	207048	44.038	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	170621m	41.277	ug/l	
77) Bromobenzene	11.195	156	169262	44.953	ug/l	91
78) n-propylbenzene	11.305	91	784982	45.122	ug/l	99
79) 2-Chlorotoluene	11.366	91	468358	43.084	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	582613	45.615	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	60229	47.192	ug/l	99
82) 4-Chlorotoluene	11.451	91	543997	44.554	ug/l	98
83) tert-Butylbenzene	11.713	119	575197	44.884	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	584308	45.531	ug/l	99
85) sec-Butylbenzene	11.890	105	705466	44.879	ug/l	99
86) p-Isopropyltoluene	12.006	119	607271	45.422	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	322421	45.058	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	320793	42.758	ug/l	99
89) n-Butylbenzene	12.329	91	510599	45.242	ug/l	99
90) Hexachloroethane	12.536	117	98657	48.206	ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	313187	43.760	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	44225	46.910	ug/l	84
93) 1,2,4-Trichlorobenzene	13.585	180	210687	46.834	ug/l	99
94) Hexachlorobutadiene	13.725	225	87045	44.088	ug/l	99
95) Naphthalene	13.774	128	658847	47.573	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	201719	44.544	ug/l	99

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

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