

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112922\
 Data File : VX033103.D
 Acq On : 29 Nov 2022 09:15
 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 11/30/2022
 Supervised By : Mahesh Dadoda 11/30/2022

Quant Time: Nov 30 00:48:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	126747	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	199262	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	186808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98559	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	64653	52.349	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.700%			
35) Dibromofluoromethane	5.385	113	55454	49.364	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.720%			
50) Toluene-d8	8.647	98	169716	50.221	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.440%			
62) 4-Bromofluorobenzene	11.079	95	76096	51.568	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.140%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	44144	45.588	ug/l	99
3) Chloromethane	1.294	50	46126	44.124	ug/l	99
4) Vinyl Chloride	1.373	62	54816	47.094	ug/l	99
5) Bromomethane	1.617	94	41905	48.550	ug/l	97
6) Chloroethane	1.691	64	49825	52.581	ug/l	99
7) Trichlorofluoromethane	1.892	101	116396	51.524	ug/l	97
8) Diethyl Ether	2.129	74	38535	54.181	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	61597	51.877	ug/l	100
10) Methyl Iodide	2.453	142	59156	43.520	ug/l	99
11) Tert butyl alcohol	3.007	59	51577m	263.599	ug/l	
12) 1,1-Dichloroethene	2.318	96	56392	50.984	ug/l	95
13) Acrolein	2.239	56	52962	235.648	ug/l	100
14) Allyl chloride	2.666	41	91331	51.145	ug/l	99
15) Acrylonitrile	3.062	53	140040	253.039	ug/l	99
16) Acetone	2.386	43	157074	272.483	ug/l	99
17) Carbon Disulfide	2.514	76	136766	44.755	ug/l	99
18) Methyl Acetate	2.703	43	81208	50.891	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	200269	52.208	ug/l	99
20) Methylene Chloride	2.788	84	61654	51.439	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	61427	48.550	ug/l	97
22) Diisopropyl ether	3.757	45	211106	54.292	ug/l	94
23) Vinyl Acetate	3.721	43	819476	269.240	ug/l	100
24) 1,1-Dichloroethane	3.611	63	114098	51.279	ug/l	99
25) 2-Butanone	4.556	43	217648	273.812	ug/l	98
26) 2,2-Dichloropropane	4.477	77	96994	54.214	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	75522	52.536	ug/l	99
28) Bromochloromethane	4.897	49	49206	50.329	ug/l	98
29) Tetrahydrofuran	5.007	42	131098	259.917	ug/l	100
30) Chloroform	5.092	83	134894	54.129	ug/l	98
31) Cyclohexane	5.470	56	102538	51.269	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	120846	54.148	ug/l	99
36) 1,1-Dichloropropene	5.690	75	94466	52.591	ug/l	99
37) Ethyl Acetate	4.708	43	81337	51.903	ug/l	99
38) Carbon Tetrachloride	5.678	117	107018	53.707	ug/l	98
39) Methylcyclohexane	7.379	83	110445	53.890	ug/l	100
40) Benzene	6.037	78	265224	52.664	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	49032	55.606	ug/l	96
42) 1,2-Dichloroethane	6.086	62	110245	54.368	ug/l	100
43) Isopropyl Acetate	6.336	43	139974	54.009	ug/l	99
44) Trichloroethene	7.122	130	74143	52.465	ug/l	96
45) 1,2-Dichloropropane	7.427	63	67830	54.500	ug/l	97
46) Dibromomethane	7.580	93	51895	53.438	ug/l	97
47) Bromodichloromethane	7.817	83	105760	56.360	ug/l	97
48) Methyl methacrylate	7.689	41	71790	53.814	ug/l	99
49) 1,4-Dioxane	7.702	88	27524	1120.837	ug/l	99
51) 4-Methyl-2-Pentanone	8.573	43	439322	274.708	ug/l	99
52) Toluene	8.714	92	179124	54.062	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	107328	53.133	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	113779	56.243	ug/l	96
55) 1,1,2-Trichloroethane	9.146	97	71921	53.316	ug/l	100
56) Ethyl methacrylate	9.116	69	105034	56.512	ug/l	99
57) 1,3-Dichloropropane	9.305	76	119068	54.676	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	189212	214.384	ug/l	98
59) 2-Hexanone	9.427	43	337531	285.710	ug/l	99
60) Dibromochloromethane	9.518	129	83203	57.289	ug/l	100
61) 1,2-Dibromoethane	9.610	107	78781	55.330	ug/l	99
64) Tetrachloroethene	9.275	164	65752	49.725	ug/l	98
65) Chlorobenzene	10.079	112	194038	52.099	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	75630	55.420	ug/l	99
67) Ethyl Benzene	10.195	91	358021	54.190	ug/l	100
68) m/p-Xylenes	10.299	106	280765	108.524	ug/l	100
69) o-Xylene	10.640	106	135325	54.060	ug/l	100
70) Styrene	10.652	104	230289	56.233	ug/l	100
71) Bromoform	10.799	173	59324	56.698	ug/l #	98
73) Isopropylbenzene	10.963	105	369259	52.430	ug/l	100
74) N-amyl acetate	10.841	43	129921	54.228	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	108949	51.254	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	101563m	54.412	ug/l	
77) Bromobenzene	11.195	156	89895	51.899	ug/l	100
78) n-propylbenzene	11.305	91	427891	53.138	ug/l	100
79) 2-Chlorotoluene	11.366	91	256664	52.480	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	319188	53.948	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	31498	54.851	ug/l	100
82) 4-Chlorotoluene	11.451	91	301607	52.625	ug/l	100
83) tert-Butylbenzene	11.713	119	306654	52.069	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	312620	52.991	ug/l	100
85) sec-Butylbenzene	11.890	105	382620	54.304	ug/l	100
86) p-Isopropyltoluene	12.012	119	329163	55.140	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	170153	52.374	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	173063	52.014	ug/l	99
89) n-Butylbenzene	12.335	91	285998	55.612	ug/l	100
90) Hexachloroethane	12.536	117	54745	55.819	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	166099	52.557	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	23820	56.164	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	104409	53.595	ug/l	100
94) Hexachlorobutadiene	13.725	225	44595	51.887	ug/l	99
95) Naphthalene	13.774	128	337512	53.554	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	104585	53.534	ug/l	100

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

