

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110923\
 Data File : VX038716.D
 Acq On : 10 Nov 2023 09:39
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/13/2023
 Supervised By : Mahesh Dadoda 11/13/2023

Quant Time: Nov 10 16:45:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	294863	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	461041	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	441959	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	251458	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	172033	46.863	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.720%		
35) Dibromofluoromethane	5.385	113	159776	48.117	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.240%		
50) Toluene-d8	8.647	98	557871	46.950	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.900%		
62) 4-Bromofluorobenzene	11.079	95	220646	47.895	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.780%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	152079	49.665	ug/l	98
3) Chloromethane	1.295	50	118139	44.637	ug/l	95
4) Vinyl Chloride	1.374	62	137057	48.644	ug/l	100
5) Bromomethane	1.599	94	102922	47.326	ug/l	98
6) Chloroethane	1.685	64	92010	51.575	ug/l	97
7) Trichlorofluoromethane	1.886	101	250834	51.638	ug/l	99
8) Diethyl Ether	2.136	74	81396	48.813	ug/l	74
9) 1,1,2-Trichlorotrifluo...	2.331	101	140050	48.761	ug/l	89
10) Methyl Iodide	2.453	142	193348	54.508	ug/l	92
11) Tert butyl alcohol	2.959	59	173902	231.734	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	137327	49.904	ug/l #	77
13) Acrolein	2.233	56	108435	190.647	ug/l	100
14) Allyl chloride	2.666	41	178863	45.380	ug/l #	93
15) Acrylonitrile	3.063	53	402942	254.425	ug/l	99
16) Acetone	2.380	43	340543	220.271	ug/l #	89
17) Carbon Disulfide	2.514	76	335761	45.920	ug/l	99
18) Methyl Acetate	2.703	43	348186	52.863	ug/l #	86
19) Methyl tert-butyl Ether	3.111	73	444245	50.483	ug/l	97
20) Methylene Chloride	2.788	84	148725	47.721	ug/l #	81
21) trans-1,2-Dichloroethene	3.093	96	148939	49.715	ug/l #	81
22) Diisopropyl ether	3.758	45	369446	49.733	ug/l #	90
23) Vinyl Acetate	3.721	43	1186112	224.955	ug/l #	90
24) 1,1-Dichloroethane	3.611	63	239266	48.683	ug/l	96
25) 2-Butanone	4.550	43	540713	241.433	ug/l #	85
26) 2,2-Dichloropropane	4.477	77	138379	32.247	ug/l	91
27) cis-1,2-Dichloroethene	4.489	96	171686	49.628	ug/l	81
28) Bromochloromethane	4.898	49	110980	50.247	ug/l #	55
29) Tetrahydrofuran	5.001	42	347215	249.183	ug/l #	80
30) Chloroform	5.093	83	278870	48.360	ug/l	100
31) Cyclohexane	5.471	56	193153	47.542	ug/l	85
32) 1,1,1-Trichloroethane	5.385	97	255927	50.431	ug/l	95
36) 1,1-Dichloropropene	5.696	75	195290	47.346	ug/l	94
37) Ethyl Acetate	4.715	43	200012	47.494	ug/l #	93
38) Carbon Tetrachloride	5.678	117	230836	50.060	ug/l	98
39) Methylcyclohexane	7.379	83	236452	45.850	ug/l	89
40) Benzene	6.038	78	569923	47.971	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	105014	48.946	ug/l #	86
42) 1,2-Dichloroethane	6.086	62	208806	48.710	ug/l	96
43) Isopropyl Acetate	6.336	43	308564	47.659	ug/l #	90
44) Trichloroethene	7.129	130	182997	49.505	ug/l	87
45) 1,2-Dichloropropane	7.428	63	138677	48.286	ug/l	99
46) Dibromomethane	7.580	93	116990	48.709	ug/l #	85
47) Bromodichloromethane	7.824	83	216975	48.035	ug/l	98
48) Methyl methacrylate	7.690	41	152713	48.944	ug/l #	84
49) 1,4-Dioxane	7.659	88	72208	1016.566	ug/l #	83
51) 4-Methyl-2-Pentanone	8.574	43	1040609	246.688	ug/l	90
52) Toluene	8.720	92	386258	49.630	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	214638	46.674	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	226950	46.749	ug/l #	84
55) 1,1,2-Trichloroethane	9.153	97	165275	50.050	ug/l	98
56) Ethyl methacrylate	9.116	69	236347	51.156	ug/l #	84
57) 1,3-Dichloropropane	9.305	76	253622	49.311	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	582138	256.269	ug/l #	89
59) 2-Hexanone	9.427	43	820126	240.280	ug/l	88
60) Dibromochloromethane	9.519	129	186851	50.406	ug/l	99
61) 1,2-Dibromoethane	9.610	107	186897	50.360	ug/l	100
64) Tetrachloroethene	9.275	164	169662	51.285	ug/l	94
65) Chlorobenzene	10.080	112	441341	49.055	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	172418	50.979	ug/l	98
67) Ethyl Benzene	10.195	91	747183	49.097	ug/l	98
68) m/p-Xylenes	10.299	106	596786	98.806	ug/l	95
69) o-Xylene	10.640	106	292921	49.870	ug/l	95
70) Styrene	10.653	104	486963	50.234	ug/l	95
71) Bromoform	10.799	173	151218	50.656	ug/l #	100
73) Isopropylbenzene	10.964	105	763832	49.513	ug/l	97
74) N-amyl acetate	10.842	43	253049	47.209	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.214	83	258678	48.503	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	214408m	43.053	ug/l	
77) Bromobenzene	11.195	156	206672	48.814	ug/l	81
78) n-propylbenzene	11.305	91	873976	48.684	ug/l	96
79) 2-Chlorotoluene	11.366	91	520319	48.412	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	656179	49.422	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	65610	41.968	ug/l	85
82) 4-Chlorotoluene	11.451	91	614184	48.915	ug/l	93
83) tert-Butylbenzene	11.713	119	654091	48.619	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	659099	50.051	ug/l	96
85) sec-Butylbenzene	11.890	105	812718	48.413	ug/l	96
86) p-Isopropyltoluene	12.006	119	703084	49.165	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	389511	48.119	ug/l	96
88) 1,4-Dichlorobenzene	12.043	146	393298	47.270	ug/l	97
89) n-Butylbenzene	12.329	91	593398	46.630	ug/l	97
90) Hexachloroethane	12.536	117	122359	50.514	ug/l	76
91) 1,2-Dichlorobenzene	12.335	146	381197	48.220	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	67003	49.987	ug/l	65
93) 1,2,4-Trichlorobenzene	13.585	180	273133	48.306	ug/l	96
94) Hexachlorobutadiene	13.725	225	113368	46.465	ug/l	98
95) Naphthalene	13.774	128	874420	51.268	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	269413	48.341	ug/l	96

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

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